

# ROGUE



## User Manual



Model ID: ROGUER1BW



## Edition Notes

The Rogue R1 Beam Wash User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Rogue R1 Beam Wash as of the release date of this edition.

## Trademarks

CHAUVET, Chauvet Professional, the Chauvet logo, and Rogue are registered trademarks or trademarks of Chauvet & Sons, LLC (d/b/a Chauvet and Chauvet Lighting) in the United States and other countries. Other company and product names and logos referred to herein may be trademarks of their respective companies.

## Copyright Notice

The works of authorship contained in this manual, including, but not limited to, all design, text and images are owned by Chauvet.

© Copyright 2025 Chauvet & Sons, LLC. All rights reserved.

Electronically published by Chauvet in the United States of America.

## Manual Use

Chauvet authorizes its customers to download and print this manual for professional information purposes only. Chauvet expressly prohibits the usage, copy, storage, distribution, modification, or printing of this manual or its content for any other purpose without written consent from Chauvet.

## Document Printing

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

## Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

## Disclaimer

Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility and specifically disclaims any and all liability to any party for any loss, damage or disruption caused by any errors or omissions in this document, whether such errors or omissions result from negligence, accident or any other cause. Chauvet reserves the right to revise the content of this document without any obligation to notify any person or company of such revision, however, Chauvet has no obligation to make, and does not commit to make, any such revisions.

## Document Revision

Go to [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest version.

| Revision | Date    | Description                  |
|----------|---------|------------------------------|
| 6        | 08/2025 | Added error code information |

---

**TABLE OF CONTENTS**

|                                              |          |
|----------------------------------------------|----------|
| <b>1. Before You Begin .....</b>             | <b>1</b> |
| What Is Included .....                       | 1        |
| Claims.....                                  | 1        |
| Text Conventions.....                        | 1        |
| Symbols.....                                 | 1        |
| FCC Compliance .....                         | 1        |
| Safety Notes .....                           | 2        |
| <b>2. Introduction .....</b>                 | <b>3</b> |
| Features .....                               | 3        |
| Product Overview .....                       | 3        |
| Product Dimensions .....                     | 4        |
| <b>3. Setup .....</b>                        | <b>5</b> |
| AC Power .....                               | 5        |
| AC Plug.....                                 | 5        |
| Power Linking .....                          | 5        |
| Fuse Replacement.....                        | 5        |
| Remote Device Management (RDM) .....         | 5        |
| Mounting.....                                | 6        |
| Orientation .....                            | 6        |
| Rigging.....                                 | 6        |
| Procedure .....                              | 6        |
| <b>4. Operation .....</b>                    | <b>7</b> |
| Control Panel Description.....               | 7        |
| Control Options.....                         | 7        |
| Programming.....                             | 7        |
| Menu Map.....                                | 7        |
| DMX Configuration .....                      | 9        |
| Control Personalities.....                   | 9        |
| Starting Address .....                       | 9        |
| Control Channel Assignments and Values ..... | 10       |
| Color Chart .....                            | 10       |
| 21CH.....                                    | 11       |
| 19CH.....                                    | 13       |
| 15CH.....                                    | 15       |
| 14CH.....                                    | 17       |
| Settings Configuration .....                 | 18       |
| Pan Reverse .....                            | 18       |
| Tilt Reverse.....                            | 18       |
| Pan Angle .....                              | 18       |
| Tilt Angle.....                              | 19       |
| Fan Mode.....                                | 19       |
| Display Backlight .....                      | 19       |
| Screen Reverse.....                          | 19       |
| Dimmer Curve.....                            | 19       |
| Dimmer Speed.....                            | 19       |
| Pulse-Width Modulation Options .....         | 19       |
| LED Power (Legacy Mode).....                 | 19       |

|                                          |           |
|------------------------------------------|-----------|
| Red Shift .....                          | 19        |
| White Mode.....                          | 20        |
| Color Calibration .....                  | 20        |
| Reset Function.....                      | 20        |
| Factory Reset .....                      | 20        |
| Test Mode.....                           | 20        |
| Auto Test .....                          | 20        |
| Manual Test .....                        | 20        |
| System Information.....                  | 20        |
| Offset Mode (Zero Adjust) .....          | 20        |
| Error Codes .....                        | 21        |
| <b>5. Maintenance.....</b>               | <b>22</b> |
| Product Maintenance.....                 | 22        |
| <b>6. Technical Specifications .....</b> | <b>23</b> |
| <b>Contact Us .....</b>                  | <b>24</b> |

## Before You Begin

# 1. Before You Begin

## What Is Included

- Rogue R1 Beam Wash
- Neutrik® powerCON® power cord
- Omega bracket with mounting hardware
- Quick Reference Guide

## Claims

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate a claim. In addition, keep the box and contents 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 7 days of delivery.

## Text Conventions

| Convention           | Meaning                                            |
|----------------------|----------------------------------------------------|
| <b>1–512</b>         | A range of values                                  |
| <b>50/60</b>         | A set of values of which only one can be chosen    |
| <b>Settings</b>      | A menu option not to be modified                   |
| <b>&lt;ENTER&gt;</b> | A key to be pressed on the product's control panel |

## Symbols

| Symbol                                                                              | Meaning                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator. |
|  | Important installation or configuration information. The product may not function correctly if this information is not used.                                                                |
|  | Useful information.                                                                                                                                                                         |



Any reference to data or power connections in this manual assumes the use of Seetronic IP rated cables.

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



Connection of the control signal: DMX line

- The product has XLR sockets for DMX input and output.
- Notice: This control circuit is isolated and belongs to the Class 2 data port.

The control circuit has a cumulative leakage current of less than 3.5 mA.

## **FCC Statement of Compliance**

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **Expected LED Lifespan**

Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product, and limit the overall intensity.

### Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.



**This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.**



**All applicable local codes and regulations apply to proper installation of this product.**

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 21.65 ft (6.6 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
  - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
  - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
  - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
  - Disconnect from power before cleaning the product or replacing the fuse.
  - Replace the fuse with the same type and rating.
  - Use a safety cable when mounting this product overhead.
  - Connect this product to a grounded and protected circuit.
- **DO NOT:**
  - Open this product. It contains no user-serviceable parts.
  - Look at the light source when the product is on.
  - Leave any flammable material within 50 cm of this product while operating or connected to power.
  - Connect this product to a dimmer or rheostat.
  - Operate this product if the housing, lenses, or cables appear damaged.
  - Operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (adhere to standards for the published IP rating).
- **ONLY** use the hanging/mounting bracket to carry this product.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
- In the event of a serious operating problem, stop using immediately.



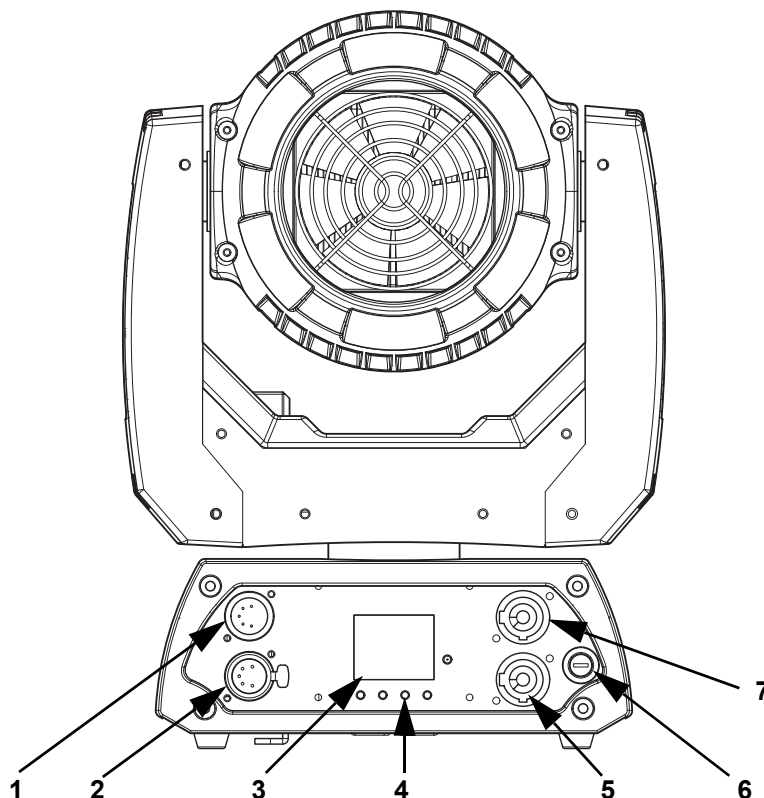
**If this Chauvet product requires service, contact Chauvet Technical Support.**

## 2. Introduction

### Features

- Fully featured RGBW LED yoke wash fixture with zoom
- 16-bit dimming of master dimmer as well as individual colors for smooth control of fades
- 7 RGBW LEDs, 40 W each
- 5-pin DMX input/output connections
- Unique lens design for excellent color blending and tight beam effects
- Extremely fast, smooth pan and tilt movement
- RDM enabled for remote addressing and trouble shooting
- Selectable PWM settings for camera operation
- User-selectable calibrated white for 7500K at full output
- User-selectable red shift in all dimming modes to emulate tungsten fixtures
- 6 distinct dimming modes for advanced control
- Omega mounting bracket fits all Rogue and Maverick fixtures
- Easy-to-read OLED display with simple, effective menu options
- Simple and complex DMX channel profiles for programming versatility

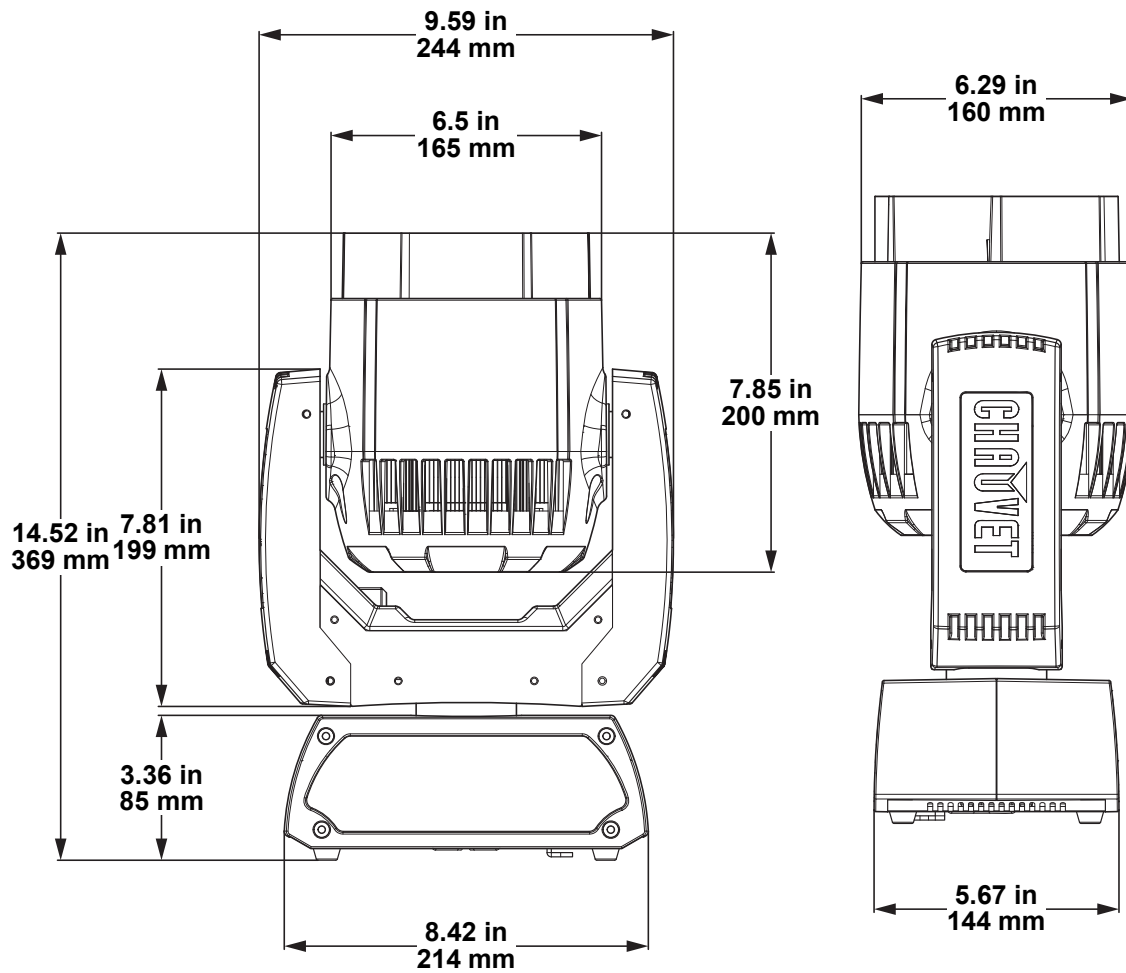
### Product Overview



| # | Name         | # | Name        |
|---|--------------|---|-------------|
| 1 | DMX in       | 5 | Power out   |
| 2 | DMX out      | 6 | Fuse holder |
| 3 | LCD display  | 7 | Power in    |
| 4 | Menu buttons |   |             |



## Product Dimensions



When designing case inserts, make sure the dimensions are given with the zoom out, as shown above.

## 3. Setup

### AC Power

The Rogue R1 Beam Wash has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**



**Never connect the 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 Rogue R1 Beam Wash comes with a power input cord terminated with a Neutrik® powerCON® connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with your product has no plug, or if you need to change the plug, use the table below to wire the new plug.

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

### Power Linking

The product supports power linking. It is possible to power link up to 4 products at 100 V, 5 products at 120 V, 8 products at 208 V, 9 products at 230 V, and 10 products at 240 V. This product comes with a power input cord. Power linking cables are available from Chauvet for purchase.

### Fuse Replacement

1. Disconnect this product from the power outlet.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with another fuse of the same type and rating (F 5 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

### Remote Device Management

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Rogue R1 Beam Wash supports RDM protocol that allows feedback to make changes to menu map options.

### Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#). For our Chauvet Professional line of mounting clamps, go to <http://trusst.com/products/>.

#### Orientation

Always mount this product in a safe position, making sure there is adequate room for ventilation, configuration, and maintenance.

#### Rigging

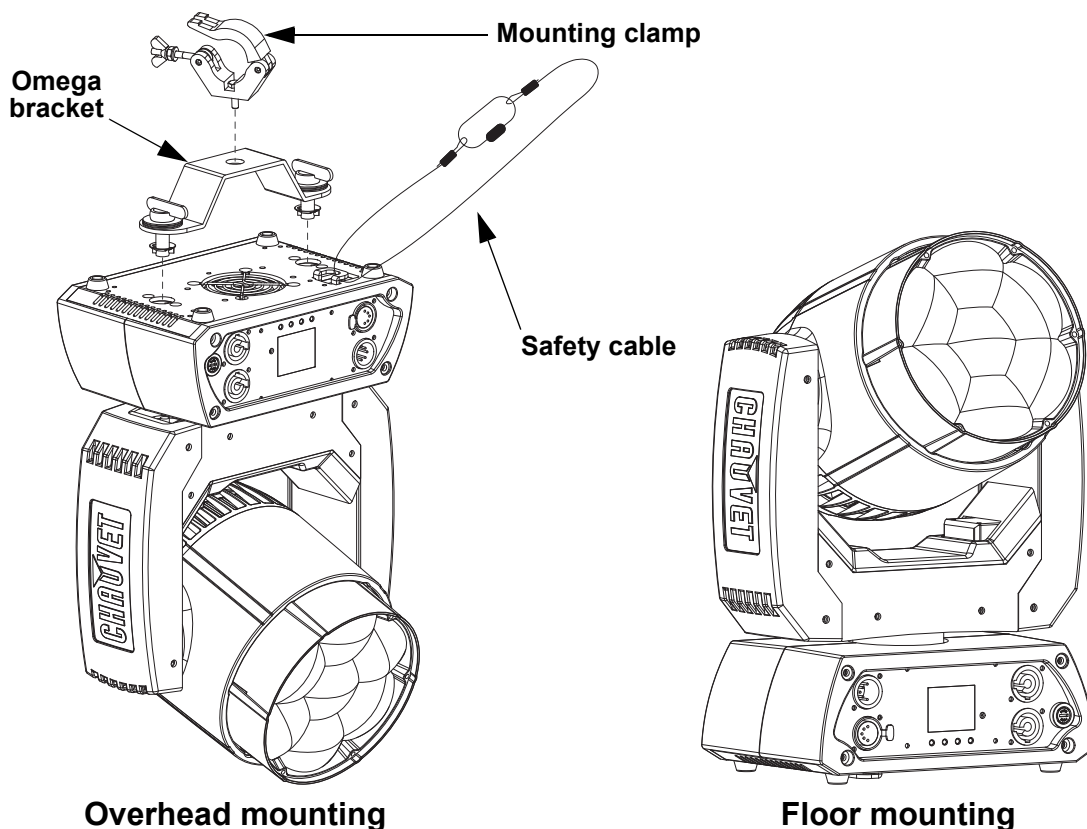
Chauvet recommends using the following general guidelines when mounting this product.

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure onto which you are mounting the product can support the product's weight. See the [Technical Specifications](#) for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.

#### Procedure

The Rogue R1 Beam Wash comes with a bracket to which you can attach a mounting clamp directly. Mounting clamps are sold separately. Make sure the clamps are capable of supporting the weight of this product. Use at least two mounting points per product. For the CHAUVET Professional line of mounting clamps, go to <http://www.trusst.com/products>.

#### Mounting Diagram



## 4. Operation

### Control Panel Description

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

### Control Options

Set the Rogue R1 Beam Wash starting address in the 001–512 DMX range. This enables control of up to 24 products in the 21-channel **21CH** personality.

### Programming

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To go to the desired main level, press <MENU> repeatedly until the option shows on the display. Press <ENTER> to select. 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 shows on the display. Press <ENTER> to select. In this case, if there is another programming level, you will see that first option, or you will see the selected value.
- Press <MENU> repeatedly to exit to the previous main level.

### Menu Map

Refer for the Rogue R1 Beam Wash product page on [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest menu map.

| Main Level | Programming Levels |         | Description                 |
|------------|--------------------|---------|-----------------------------|
| Address    | 001–512            |         | Sets the starting address   |
| Run Mode   | DMX                | 14CH    | Selects the DMX personality |
|            |                    | 15CH    |                             |
|            |                    | 19CH    |                             |
|            |                    | 21CH    |                             |
|            | Auto Test          |         | Auto test all functions     |
|            | Manual Test        | Pan     | 000–255                     |
|            |                    | Tilt    |                             |
|            |                    | Dimmer  |                             |
|            |                    | Shutter |                             |
|            |                    | Red     |                             |
|            |                    | Green   |                             |
|            |                    | Blue    |                             |
|            |                    | White   |                             |
|            |                    | Zoom    |                             |
| Setup      | Pan Reverse        | OFF     | Normal pan                  |
|            |                    | ON      | Reversed pan                |
|            | Tilt Reverse       | OFF     | Normal tilt                 |
|            |                    | ON      | Reversed tilt               |
|            | Pan Angle          | 540     | 540° pan range              |
|            |                    | 360     | 360° pan range              |
|            |                    | 180     | 180° pan range              |
|            | Tilt Angle         | 230     | 230° tilt range             |
|            |                    | 180     | 180° tilt range             |
|            |                    | 90      | 90° tilt range              |

| Main Level        | Programming Levels |         |                              |                                    | Description                                                                                                             |
|-------------------|--------------------|---------|------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Setup<br>(cont.)  | Fans               | Auto    |                              |                                    | Fan speed according to product temperature                                                                              |
|                   |                    | ECO     |                              |                                    | Quiet mode                                                                                                              |
|                   |                    | Full    |                              |                                    | Fan speed set on high                                                                                                   |
|                   | Display            | OFF     |                              |                                    | Display turns off                                                                                                       |
|                   |                    | ON      |                              |                                    | Display stays on                                                                                                        |
|                   | Screen Rev         | OFF     |                              |                                    | Normal display                                                                                                          |
|                   |                    | ON      |                              |                                    | Inverted display                                                                                                        |
|                   | Dimmer Curve       | Linear  |                              |                                    | Set the dimmer curve                                                                                                    |
|                   |                    | Square  |                              |                                    |                                                                                                                         |
|                   |                    | I Squa  |                              |                                    |                                                                                                                         |
|                   |                    | SCurve  |                              |                                    |                                                                                                                         |
|                   | Dimmer Speed       | Smooth  |                              |                                    | Smooth dimmer speed                                                                                                     |
|                   |                    | Fast    |                              |                                    | Fast dimmer speed                                                                                                       |
|                   | PWM Option         | 600Hz   |                              |                                    | Sets the PWM frequency                                                                                                  |
|                   |                    | 1200Hz  |                              |                                    |                                                                                                                         |
|                   |                    | 4000Hz  |                              |                                    |                                                                                                                         |
|                   |                    | 6000Hz  |                              |                                    |                                                                                                                         |
|                   |                    | 15000Hz |                              |                                    |                                                                                                                         |
|                   | LED R POWER        | 050–100 |                              |                                    | Adjusts LED power levels for matching to legacy Rogue Wash products                                                     |
|                   | LED G POWER        | 050–100 |                              |                                    |                                                                                                                         |
|                   | LED B POWER        | 050–100 |                              |                                    |                                                                                                                         |
|                   | LED W POWER        | 050–100 |                              |                                    |                                                                                                                         |
|                   | Red Shift          | On      |                              |                                    | Enables/disables red shift ( <b>On</b> automatically sets <b>White Mode</b> and <b>Color calibration</b> to <b>On</b> ) |
|                   |                    | Off     |                              |                                    |                                                                                                                         |
|                   | White Mode         | On      |                              |                                    | Calibrates white to 7500K                                                                                               |
|                   |                    | Off     |                              |                                    | Uses maximum output values                                                                                              |
|                   |                    | Custom  | RED                          | 000–255                            | Sets red LED maximum value                                                                                              |
| GREEN             |                    |         | Sets green LED maximum value |                                    |                                                                                                                         |
| BLUE              |                    |         | Sets blue LED maximum value  |                                    |                                                                                                                         |
| WHITE             |                    |         | Sets white LED maximum value |                                    |                                                                                                                         |
| Color Calibration | On                 |         |                              | Uses factory default white setting |                                                                                                                         |
|                   | Off                |         |                              | Uses maximum output values         |                                                                                                                         |
|                   | Custom             | RED     | 100–255                      | Sets red LED maximum value         |                                                                                                                         |
|                   |                    | GREEN   |                              | Sets green LED maximum value       |                                                                                                                         |
|                   |                    | BLUE    |                              | Sets blue LED maximum value        |                                                                                                                         |

| Main Level       | Programming Levels    |              |       | Description                                               |
|------------------|-----------------------|--------------|-------|-----------------------------------------------------------|
| Setup<br>(cont.) | Reset<br>Function     | Pan/Tilt     | NO    | Reset individual functions or all functions from start-up |
|                  |                       |              | YES   |                                                           |
|                  |                       | Zoom         | NO    |                                                           |
|                  |                       |              | YES   |                                                           |
|                  |                       | All          | NO    |                                                           |
|                  |                       |              | YES   |                                                           |
|                  | Factory Set           |              |       | Reset to factory default settings                         |
| Sys Info         | System<br>Information | Ver          | V_    | Shows firmware version                                    |
|                  |                       | Running Mode | ---   | Shows current running mode                                |
|                  |                       | DMX Address  | ---   | Shows current starting address                            |
|                  |                       | Temperature  | ---   | Shows current product temperature in °C                   |
|                  |                       | Fixture Time | ----- | Shows number of hours product has been powered on         |
|                  |                       | UID:         | ----- | Shows product UID                                         |

## DMX Configuration

Use control configurations to operate the product with a DMX controller.

### Control Personalities

To set the control personality:

1. Go to the **Run Mode** main level.
2. Select the **DMX** option.
3. Select the desired personality, from **14CH**, **15CH**, **19CH**, or **21CH**.



- See the [Starting Address](#) section for the highest starting address you can select for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

### Starting Address

Each product will respond to a unique starting address from the controller. All products with the same starting address will respond in unison. To set the starting address:

1. Go to the **Address** main level.
2. Select the starting address (**001–512**).
  - The highest recommended starting address for **14CH** is **499**.
  - The highest recommended starting address for **15CH** is **498**.
  - The highest recommended starting address for **19CH** is **494**.
  - The highest recommended starting address for **21CH** is **492**.

## Control Channel Assignments and Values

### Color Chart

| DMX Value | Percent/Setting                    | Red Value | Green Value | Blue Value | White Value |
|-----------|------------------------------------|-----------|-------------|------------|-------------|
| 000 ⇌ 004 | No function                        | 000       | 000         | 000        | 000         |
| 005 ⇌ 009 | Color 1                            | 000       | 000         | 000        | 255         |
| 010 ⇌ 014 | Color 2                            | 255       | 235         | 052        | 000         |
| 015 ⇌ 019 | Color 3                            | 214       | 134         | 048        | 000         |
| 020 ⇌ 024 | Color 4                            | 255       | 000         | 044        | 000         |
| 025 ⇌ 029 | Color 5                            | 255       | 059         | 113        | 000         |
| 030 ⇌ 034 | Color 6                            | 255       | 138         | 219        | 000         |
| 035 ⇌ 039 | Color 7                            | 226       | 175         | 226        | 000         |
| 040 ⇌ 044 | Color 8                            | 040       | 001         | 255        | 000         |
| 045 ⇌ 049 | Color 9                            | 000       | 000         | 255        | 000         |
| 050 ⇌ 054 | Color 10                           | 000       | 078         | 255        | 000         |
| 055 ⇌ 059 | Color 11                           | 000       | 199         | 255        | 000         |
| 060 ⇌ 064 | Color 12                           | 000       | 255         | 234        | 000         |
| 065 ⇌ 069 | Color 13                           | 149       | 246         | 255        | 000         |
| 070 ⇌ 074 | Color 14                           | 137       | 255         | 227        | 000         |
| 075 ⇌ 079 | Color 15                           | 213       | 220         | 222        | 000         |
| 080 ⇌ 084 | Color 16                           | 219       | 232         | 175        | 000         |
| 085 ⇌ 089 | Color 17                           | 205       | 255         | 199        | 000         |
| 090 ⇌ 094 | Color 18                           | 115       | 255         | 165        | 000         |
| 095 ⇌ 099 | Color 19                           | 006       | 255         | 143        | 000         |
| 100 ⇌ 104 | Color 20                           | 000       | 255         | 094        | 000         |
| 105 ⇌ 109 | Color 21                           | 029       | 255         | 000        | 000         |
| 110 ⇌ 114 | Color 22                           | 032       | 223         | 000        | 000         |
| 115 ⇌ 119 | Color 23                           | 075       | 255         | 000        | 000         |
| 120 ⇌ 124 | Color 24                           | 080       | 232         | 000        | 000         |
| 125 ⇌ 129 | Color 25                           | 108       | 226         | 000        | 000         |
| 130 ⇌ 134 | Color 26                           | 145       | 194         | 000        | 000         |
| 135 ⇌ 139 | Color 27                           | 210       | 255         | 000        | 000         |
| 140 ⇌ 144 | Color 28                           | 225       | 232         | 000        | 000         |
| 145 ⇌ 149 | Color 29                           | 023       | 215         | 000        | 000         |
| 150 ⇌ 154 | Color 30                           | 247       | 214         | 000        | 000         |
| 155 ⇌ 159 | Color 31                           | 255       | 163         | 000        | 000         |
| 160 ⇌ 164 | Color 32                           | 255       | 152         | 000        | 000         |
| 165 ⇌ 169 | Color 33                           | 255       | 108         | 000        | 000         |
| 170 ⇌ 174 | Color 34                           | 255       | 255         | 255        | 255         |
| 175 ⇌ 179 | No function                        | 000       | 000         | 000        | 000         |
| 180 ⇌ 201 | Color scroll, fast to slow         | Various   | Various     | Various    | Various     |
| 202 ⇌ 207 | Hold                               | Various   | Various     | Various    | Various     |
| 208 ⇌ 229 | Reverse color scroll, fast to slow | Various   | Various     | Various    | Various     |
| 230 ⇌ 234 | No function                        | 000       | 000         | 000        | 000         |
| 235 ⇌ 249 | Color snap, fast to slow           | Various   | Various     | Various    | Various     |
| 250 ⇌ 255 | No function                        | 000       | 000         | 000        | 000         |

## 21CH

| Channel | Function       | Value     | Percent/Setting                         |
|---------|----------------|-----------|-----------------------------------------|
| 1       | Pan            | 000 ⇔ 255 | 0–100%                                  |
| 2       | Fine Pan       | 000 ⇔ 255 | Fine control (16-bit)                   |
| 3       | Tilt           | 000 ⇔ 255 | 0–100%                                  |
| 4       | Fine Tilt      | 000 ⇔ 255 | Fine control (16-bit)                   |
| 5       | Pan/Tilt Speed | 000 ⇔ 255 | Fast to slow                            |
| 6       | Dimmer         | 000 ⇔ 255 | 0–100%                                  |
| 7       | Fine Dimmer    | 000 ⇔ 255 | Fine control (16-bit)                   |
| 8       | Strobe         | 000 ⇔ 019 | Off                                     |
|         |                | 020 ⇔ 024 | On                                      |
|         |                | 025 ⇔ 064 | Strobe, fast to slow                    |
|         |                | 065 ⇔ 069 | On                                      |
|         |                | 070 ⇔ 084 | Fast on, slow off (fast to slow)        |
|         |                | 085 ⇔ 089 | On                                      |
|         |                | 090 ⇔ 104 | Slow on, fast off (fast to slow)        |
|         |                | 105 ⇔ 109 | On                                      |
|         |                | 110 ⇔ 124 | Random strobe, fast to slow             |
|         |                | 125 ⇔ 129 | On                                      |
|         |                | 130 ⇔ 144 | Random fast on, slow off (fast to slow) |
|         |                | 145 ⇔ 149 | On                                      |
|         |                | 150 ⇔ 164 | Random slow on, fast off (fast to slow) |
|         |                | 165 ⇔ 169 | On                                      |
|         |                | 170 ⇔ 184 | Pulse strobe, fast to slow              |
|         |                | 185 ⇔ 189 | On                                      |
|         |                | 190 ⇔ 204 | Random pulse strobe, fast to slow       |
| 9       | Red            | 205 ⇔ 209 | On                                      |
|         |                | 210 ⇔ 224 | Slow on, slow off (fast to slow)        |
|         |                | 225 ⇔ 229 | On                                      |
|         |                | 230 ⇔ 244 | Pulse strobe, fast to slow              |
|         |                | 245 ⇔ 255 | On                                      |
|         |                |           |                                         |
|         |                |           |                                         |
|         |                |           |                                         |
|         |                |           |                                         |
|         |                |           |                                         |
| 10      | Fine Red       | 000 ⇔ 255 | Fine control (16-bit)                   |
| 11      | Green          | 000 ⇔ 255 | 0–100%                                  |
| 12      | Fine Green     | 000 ⇔ 255 | Fine control (16-bit)                   |
| 13      | Blue           | 000 ⇔ 255 | 0–100%                                  |
| 14      | Fine Blue      | 000 ⇔ 255 | Fine control (16-bit)                   |
| 15      | White          | 000 ⇔ 255 | 0–100%                                  |
| 16      | Fine White     | 000 ⇔ 255 | Fine control (16-bit)                   |
| 17      | Color          | 000 ⇔ 255 | See the <a href="#">Color Chart</a>     |
| 18      | Zoom           | 000 ⇔ 255 | 0–100%                                  |



| Channel | Function                               | Value     | Percent/Setting                      |
|---------|----------------------------------------|-----------|--------------------------------------|
| 19      | Movement Macros                        | 000 ⇔ 007 | No function                          |
|         |                                        | 008 ⇔ 023 | Movement macro 1                     |
|         |                                        | 024 ⇔ 039 | Movement macro 2                     |
|         |                                        | 040 ⇔ 055 | Movement macro 3                     |
|         |                                        | 056 ⇔ 071 | Movement macro 4                     |
|         |                                        | 072 ⇔ 087 | Movement macro 5                     |
|         |                                        | 088 ⇔ 103 | Movement macro 6                     |
|         |                                        | 104 ⇔ 119 | Movement macro 7                     |
|         |                                        | 120 ⇔ 135 | Movement macro 8                     |
|         |                                        | 136 ⇔ 151 | Movement macro 9                     |
|         |                                        | 152 ⇔ 167 | Movement macro 10                    |
|         |                                        | 168 ⇔ 183 | Movement macro 11                    |
|         |                                        | 184 ⇔ 199 | Movement macro 12                    |
|         |                                        | 200 ⇔ 215 | Movement macro 13                    |
|         |                                        | 216 ⇔ 231 | Movement macro 14                    |
|         |                                        | 232 ⇔ 247 | Movement macro 15                    |
|         |                                        | 248 ⇔ 255 | Movement macro 16                    |
| 20      | Movement Macro Speed                   | 000 ⇔ 255 | Movement macro speed, fast to slow   |
| 21      | Control<br>(5 second activation delay) | 000 ⇔ 009 | No function                          |
|         |                                        | 010 ⇔ 014 | Blackout during pan/tilt             |
|         |                                        | 015 ⇔ 049 | No function                          |
|         |                                        | 050 ⇔ 054 | Pan reset                            |
|         |                                        | 055 ⇔ 059 | Tilt reset                           |
|         |                                        | 060 ⇔ 064 | Zoom reset                           |
|         |                                        | 065 ⇔ 069 | No function                          |
|         |                                        | 070 ⇔ 074 | Reset all                            |
|         |                                        | 075 ⇔ 079 | No function                          |
|         |                                        | 080 ⇔ 084 | Reverse pan and tilt movement        |
|         |                                        | 085 ⇔ 089 | Reverse pan movement                 |
|         |                                        | 090 ⇔ 094 | Reverse tilt movement                |
|         |                                        | 095 ⇔ 099 | Normal pan movement                  |
|         |                                        | 100 ⇔ 104 | Normal tilt movement                 |
|         |                                        | 105 ⇔ 109 | Normal pan and tilt movement         |
|         |                                        | 110 ⇔ 114 | Red shift on                         |
|         |                                        | 115 ⇔ 119 | Red shift off                        |
|         |                                        | 120 ⇔ 124 | Fan ECO mode                         |
|         |                                        | 125 ⇔ 129 | Fan full speed                       |
|         |                                        | 130 ⇔ 134 | Fan auto mode                        |
|         |                                        | 135 ⇔ 139 | Fast dimmer curve                    |
|         |                                        | 140 ⇔ 144 | Smooth dimmer curve                  |
|         |                                        | 145 ⇔ 149 | Linear curve                         |
|         |                                        | 150 ⇔ 154 | Square curve                         |
|         |                                        | 155 ⇔ 159 | I Square curve                       |
|         |                                        | 160 ⇔ 164 | SCurve                               |
|         |                                        | 165 ⇔ 169 | White mode on                        |
|         |                                        | 170 ⇔ 174 | White mode off (full mode)           |
|         |                                        | 175 ⇔ 179 | Color calibration off (single color) |
|         |                                        | 180 ⇔ 184 | Color calibration on (single color)  |
|         |                                        | 185 ⇔ 239 | No function                          |
|         |                                        | 240 ⇔ 247 | Color calibration on                 |
|         |                                        | 248 ⇔ 255 | Color calibration off                |

## 19CH

| Channel | Function       | Value     | Percent/Setting                         |
|---------|----------------|-----------|-----------------------------------------|
| 1       | Pan            | 000 ⇔ 255 | 0–100%                                  |
| 2       | Fine Pan       | 000 ⇔ 255 | Fine control (16-bit)                   |
| 3       | Tilt           | 000 ⇔ 255 | 0–100%                                  |
| 4       | Fine Tilt      | 000 ⇔ 255 | Fine control (16-bit)                   |
| 5       | Pan/Tilt Speed | 000 ⇔ 255 | Fast to slow                            |
| 6       | Dimmer         | 000 ⇔ 255 | 0–100%                                  |
| 7       | Fine Dimmer    | 000 ⇔ 255 | Fine control (16-bit)                   |
| 8       | Strobe         | 000 ⇔ 019 | Off                                     |
|         |                | 020 ⇔ 024 | On                                      |
|         |                | 025 ⇔ 064 | Strobe, fast to slow                    |
|         |                | 065 ⇔ 069 | On                                      |
|         |                | 070 ⇔ 084 | Fast on, slow off (fast to slow)        |
|         |                | 085 ⇔ 089 | On                                      |
|         |                | 090 ⇔ 104 | Slow on, fast off (fast to slow)        |
|         |                | 105 ⇔ 109 | On                                      |
|         |                | 110 ⇔ 124 | Random strobe, fast to slow             |
|         |                | 125 ⇔ 129 | On                                      |
|         |                | 130 ⇔ 144 | Random fast on, slow off (fast to slow) |
|         |                | 145 ⇔ 149 | On                                      |
|         |                | 150 ⇔ 164 | Random slow on, fast off (fast to slow) |
|         |                | 165 ⇔ 169 | On                                      |
|         |                | 170 ⇔ 184 | Pulse strobe, fast to slow              |
|         |                | 185 ⇔ 189 | On                                      |
|         |                | 190 ⇔ 204 | Random pulse strobe, fast to slow       |
| 9       | Red            | 205 ⇔ 209 | On                                      |
|         |                | 210 ⇔ 224 | Slow on, slow off (fast to slow)        |
|         |                | 225 ⇔ 229 | On                                      |
|         |                | 230 ⇔ 244 | Pulse strobe, fast to slow              |
|         |                | 245 ⇔ 255 | On                                      |
|         |                |           |                                         |
|         |                |           |                                         |
|         |                |           |                                         |
|         |                |           |                                         |
|         |                |           |                                         |
| 10      | Fine Red       | 000 ⇔ 255 | Fine control (16-bit)                   |
| 11      | Green          | 000 ⇔ 255 | 0–100%                                  |
| 12      | Fine Green     | 000 ⇔ 255 | Fine control (16-bit)                   |
| 13      | Blue           | 000 ⇔ 255 | 0–100%                                  |
| 14      | Fine Blue      | 000 ⇔ 255 | Fine control (16-bit)                   |
| 15      | White          | 000 ⇔ 255 | 0–100%                                  |
| 16      | Fine White     | 000 ⇔ 255 | Fine control (16-bit)                   |
| 17      | Color          | 000 ⇔ 255 | See the <a href="#">Color Chart</a>     |
| 18      | Zoom           | 000 ⇔ 255 | 0–100%                                  |

| Channel | Function                                      | Value     | Percent/Setting                      |
|---------|-----------------------------------------------|-----------|--------------------------------------|
| 19      | <b>Control</b><br>(5 second activation delay) | 000 ⇔ 009 | No function                          |
|         |                                               | 010 ⇔ 014 | Blackout during pan/tilt             |
|         |                                               | 015 ⇔ 049 | No function                          |
|         |                                               | 050 ⇔ 054 | Pan reset                            |
|         |                                               | 055 ⇔ 059 | Tilt reset                           |
|         |                                               | 060 ⇔ 064 | Zoom reset                           |
|         |                                               | 065 ⇔ 069 | No function                          |
|         |                                               | 070 ⇔ 074 | Reset all                            |
|         |                                               | 075 ⇔ 079 | No function                          |
|         |                                               | 080 ⇔ 084 | Reverse pan and tilt movement        |
|         |                                               | 085 ⇔ 089 | Reverse pan movement                 |
|         |                                               | 090 ⇔ 094 | Reverse tilt movement                |
|         |                                               | 095 ⇔ 099 | Normal pan movement                  |
|         |                                               | 100 ⇔ 104 | Normal tilt movement                 |
|         |                                               | 105 ⇔ 109 | Normal pan and tilt movement         |
|         |                                               | 110 ⇔ 114 | Red shift on                         |
|         |                                               | 115 ⇔ 119 | Red shift off                        |
|         |                                               | 120 ⇔ 124 | Fan ECO mode                         |
|         |                                               | 125 ⇔ 129 | Fan full speed                       |
|         |                                               | 130 ⇔ 134 | Fan auto mode                        |
|         |                                               | 135 ⇔ 139 | Fast dimmer                          |
|         |                                               | 140 ⇔ 144 | Smooth dimmer                        |
|         |                                               | 145 ⇔ 149 | Linear dimmer curve                  |
|         |                                               | 150 ⇔ 154 | Square dimmer curve                  |
|         |                                               | 155 ⇔ 159 | Inverse square dimmer curve          |
|         |                                               | 160 ⇔ 164 | S-curve dimmer curve                 |
|         |                                               | 165 ⇔ 169 | White mode on                        |
|         |                                               | 170 ⇔ 174 | White mode off (full mode)           |
|         |                                               | 175 ⇔ 179 | Color calibration off (single color) |
|         |                                               | 180 ⇔ 184 | Color calibration on (single color)  |
|         |                                               | 185 ⇔ 239 | No function                          |
|         |                                               | 240 ⇔ 247 | Color calibration on                 |
|         |                                               | 248 ⇔ 255 | Color calibration off                |

## 15CH

| Channel | Function       | Value     | Percent/Setting                         |
|---------|----------------|-----------|-----------------------------------------|
| 1       | Pan            | 000 ⇔ 255 | 0–100%                                  |
| 2       | Fine Pan       | 000 ⇔ 255 | Fine control (16-bit)                   |
| 3       | Tilt           | 000 ⇔ 255 | 0–100%                                  |
| 4       | Fine Tilt      | 000 ⇔ 255 | Fine control (16-bit)                   |
| 5       | Pan/Tilt Speed | 000 ⇔ 255 | Fast to slow                            |
| 6       | Dimmer         | 000 ⇔ 255 | 0–100%                                  |
| 7       | Fine Dimmer    | 000 ⇔ 255 | Fine control (16-bit)                   |
| 8       | Strobe         | 000 ⇔ 019 | Off                                     |
|         |                | 020 ⇔ 024 | On                                      |
|         |                | 025 ⇔ 064 | Strobe, fast to slow                    |
|         |                | 065 ⇔ 069 | On                                      |
|         |                | 070 ⇔ 084 | Fast on, slow off (fast to slow)        |
|         |                | 085 ⇔ 089 | On                                      |
|         |                | 090 ⇔ 104 | Slow on, fast off (fast to slow)        |
|         |                | 105 ⇔ 109 | On                                      |
|         |                | 110 ⇔ 124 | Random strobe, fast to slow             |
|         |                | 125 ⇔ 129 | On                                      |
|         |                | 130 ⇔ 144 | Random fast on, slow off (fast to slow) |
|         |                | 145 ⇔ 149 | On                                      |
|         |                | 150 ⇔ 164 | Random slow on, fast off (fast to slow) |
|         |                | 165 ⇔ 169 | On                                      |
|         |                | 170 ⇔ 184 | Pulse strobe, fast to slow              |
|         |                | 185 ⇔ 189 | On                                      |
|         |                | 190 ⇔ 204 | Random pulse strobe, fast to slow       |
| 9       | Red            | 205 ⇔ 209 | On                                      |
|         |                | 210 ⇔ 224 | Slow on, slow off (fast to slow)        |
|         |                | 225 ⇔ 229 | On                                      |
|         |                | 230 ⇔ 244 | Pulse strobe, fast to slow              |
|         |                | 245 ⇔ 255 | On                                      |
|         |                |           |                                         |
|         |                |           |                                         |
| 10      | Green          | 000 ⇔ 255 | 0–100%                                  |
| 11      | Blue           | 000 ⇔ 255 | 0–100%                                  |
| 12      | White          | 000 ⇔ 255 | 0–100%                                  |
| 13      | Color          | 000 ⇔ 255 | See the <a href="#">Color Chart</a>     |
| 14      | Zoom           | 000 ⇔ 255 | 0–100%                                  |

| Channel | Function                                      | Value     | Percent/Setting                      |
|---------|-----------------------------------------------|-----------|--------------------------------------|
| 15      | <b>Control</b><br>(5 second activation delay) | 000 ⇔ 009 | No function                          |
|         |                                               | 010 ⇔ 014 | Blackout during pan/tilt             |
|         |                                               | 015 ⇔ 049 | No function                          |
|         |                                               | 050 ⇔ 054 | Pan reset                            |
|         |                                               | 055 ⇔ 059 | Tilt reset                           |
|         |                                               | 060 ⇔ 064 | Zoom reset                           |
|         |                                               | 065 ⇔ 069 | No function                          |
|         |                                               | 070 ⇔ 074 | Reset all                            |
|         |                                               | 075 ⇔ 079 | No function                          |
|         |                                               | 080 ⇔ 084 | Reverse pan and tilt movement        |
|         |                                               | 085 ⇔ 089 | Reverse pan movement                 |
|         |                                               | 090 ⇔ 094 | Reverse tilt movement                |
|         |                                               | 095 ⇔ 099 | Normal pan movement                  |
|         |                                               | 100 ⇔ 104 | Normal tilt movement                 |
|         |                                               | 105 ⇔ 109 | Normal pan and tilt movement         |
|         |                                               | 110 ⇔ 114 | Red shift on                         |
|         |                                               | 115 ⇔ 119 | Red shift off                        |
|         |                                               | 120 ⇔ 124 | Fan ECO mode                         |
|         |                                               | 125 ⇔ 129 | Fan full speed                       |
|         |                                               | 130 ⇔ 134 | Fan auto mode                        |
|         |                                               | 135 ⇔ 139 | Fast dimmer                          |
|         |                                               | 140 ⇔ 144 | Smooth dimmer                        |
|         |                                               | 145 ⇔ 149 | Linear dimmer curve                  |
|         |                                               | 150 ⇔ 154 | Square dimmer curve                  |
|         |                                               | 155 ⇔ 159 | Inverse square dimmer curve          |
|         |                                               | 160 ⇔ 164 | S-curve dimmer curve                 |
|         |                                               | 165 ⇔ 169 | White mode on                        |
|         |                                               | 170 ⇔ 174 | White mode off (full mode)           |
|         |                                               | 175 ⇔ 179 | Color calibration off (single color) |
|         |                                               | 180 ⇔ 184 | Color calibration on (single color)  |
|         |                                               | 185 ⇔ 239 | No function                          |
|         |                                               | 240 ⇔ 247 | Color calibration on                 |
|         |                                               | 248 ⇔ 255 | Color calibration off                |

## 14CH

| Channel | Function       | Value     | Percent/Setting                         |
|---------|----------------|-----------|-----------------------------------------|
| 1       | Pan            | 000 ⇔ 255 | 0–100%                                  |
| 2       | Fine Pan       | 000 ⇔ 255 | Fine control (16-bit)                   |
| 3       | Tilt           | 000 ⇔ 255 | 0–100%                                  |
| 4       | Fine Tilt      | 000 ⇔ 255 | Fine control (16-bit)                   |
| 5       | Pan/Tilt Speed | 000 ⇔ 255 | Fast to slow                            |
| 6       | Dimmer         | 000 ⇔ 255 | 0–100%                                  |
| 7       | Strobe         | 000 ⇔ 019 | Off                                     |
|         |                | 020 ⇔ 024 | On                                      |
|         |                | 025 ⇔ 064 | Strobe, fast to slow                    |
|         |                | 065 ⇔ 069 | On                                      |
|         |                | 070 ⇔ 084 | Fast on, slow off (fast to slow)        |
|         |                | 085 ⇔ 089 | On                                      |
|         |                | 090 ⇔ 104 | Slow on, fast off (fast to slow)        |
|         |                | 105 ⇔ 109 | On                                      |
|         |                | 110 ⇔ 124 | Random strobe, fast to slow             |
|         |                | 125 ⇔ 129 | On                                      |
|         |                | 130 ⇔ 144 | Random fast on, slow off (fast to slow) |
|         |                | 145 ⇔ 149 | On                                      |
|         |                | 150 ⇔ 164 | Random slow on, fast off (fast to slow) |
|         |                | 165 ⇔ 169 | On                                      |
|         |                | 170 ⇔ 184 | Pulse strobe, fast to slow              |
|         |                | 185 ⇔ 189 | On                                      |
|         |                | 190 ⇔ 204 | Random pulse strobe, fast to slow       |
|         |                | 205 ⇔ 209 | On                                      |
|         |                | 210 ⇔ 224 | Slow on, slow off (fast to slow)        |
|         |                | 225 ⇔ 229 | On                                      |
|         |                | 230 ⇔ 244 | Pulse strobe, fast to slow              |
|         |                | 245 ⇔ 255 | On                                      |
| 8       | Red            | 000 ⇔ 255 | 0–100%                                  |
| 9       | Green          | 000 ⇔ 255 | 0–100%                                  |
| 10      | Blue           | 000 ⇔ 255 | 0–100%                                  |
| 11      | White          | 000 ⇔ 255 | 0–100%                                  |
| 12      | Color          | 000 ⇔ 255 | See the <a href="#">Color Chart</a>     |
| 13      | Zoom           | 000 ⇔ 255 | 0–100%                                  |

| Channel | Function                                      | Value     | Percent/Setting                      |
|---------|-----------------------------------------------|-----------|--------------------------------------|
| 14      | <b>Control</b><br>(5 second activation delay) | 000 ⇔ 009 | No function                          |
|         |                                               | 010 ⇔ 014 | Blackout during pan/tilt             |
|         |                                               | 015 ⇔ 049 | No function                          |
|         |                                               | 050 ⇔ 054 | Pan reset                            |
|         |                                               | 055 ⇔ 059 | Tilt reset                           |
|         |                                               | 060 ⇔ 064 | Zoom reset                           |
|         |                                               | 065 ⇔ 069 | No function                          |
|         |                                               | 070 ⇔ 074 | Reset all                            |
|         |                                               | 075 ⇔ 079 | No function                          |
|         |                                               | 080 ⇔ 084 | Reverse pan and tilt movement        |
|         |                                               | 085 ⇔ 089 | Reverse pan movement                 |
|         |                                               | 090 ⇔ 094 | Reverse tilt movement                |
|         |                                               | 095 ⇔ 099 | Normal pan movement                  |
|         |                                               | 100 ⇔ 104 | Normal tilt movement                 |
|         |                                               | 105 ⇔ 109 | Normal pan and tilt movement         |
|         |                                               | 110 ⇔ 114 | Red shift on                         |
|         |                                               | 115 ⇔ 119 | Red shift off                        |
|         |                                               | 120 ⇔ 124 | Fan ECO mode                         |
|         |                                               | 125 ⇔ 129 | Fan full speed                       |
|         |                                               | 130 ⇔ 134 | Fan auto mode                        |
|         |                                               | 135 ⇔ 139 | Fast dimmer                          |
|         |                                               | 140 ⇔ 144 | Smooth dimmer                        |
|         |                                               | 145 ⇔ 149 | Linear dimmer curve                  |
|         |                                               | 150 ⇔ 154 | Square dimmer curve                  |
|         |                                               | 155 ⇔ 159 | Inverse square dimmer curve          |
|         |                                               | 160 ⇔ 164 | S-curve dimmer curve                 |
|         |                                               | 165 ⇔ 169 | White mode on                        |
|         |                                               | 170 ⇔ 174 | White mode off (full mode)           |
|         |                                               | 175 ⇔ 179 | Color calibration off (single color) |
|         |                                               | 180 ⇔ 184 | Color calibration on (single color)  |
|         |                                               | 185 ⇔ 239 | No function                          |
|         |                                               | 240 ⇔ 247 | Color calibration on                 |
|         |                                               | 248 ⇔ 255 | Color calibration off                |

## Settings Configuration

### Pan Reverse

To set the orientation of the pan:

1. Go to the **Setup** main level.
2. Select the **Pan Reverse** option.
3. Select from **OFF** (normal pan motion), or **ON** (reversed pan motion).

### Tilt Reverse

To set the orientation of the tilt:

1. Go to the **Setup** main level.
2. Select the **Tilt Reverse** option.
3. Select from **OFF** (normal tilt motion), or **ON** (reversed tilt motion).

### Pan Angle

To set the maximum angle of the pan:

1. Go to the **Setup** main level.
2. Select the **Pan Angle** option.
3. Select from **540** (540°), **360** (360°), or **180** (180°).

## Tilt Angle

To set the maximum angle of the tilt:

1. Go to the **Setup** main level.
2. Select the **Tilt Angle** option.
3. Select from **230** (230°), **180** (180°), or **90** (90°).

## Fan Mode

To set the fan speed mode:

1. Go to the **Setup** main level.
2. Select the **Fans** option.
3. Select the fan mode, from **Auto** (fan speed adjusts to product temperature), **ECO** (quiet mode), or **Full** (fan speed at maximum).

## Display Backlight

To set whether an inactive display will turn off:

1. Go to the **Setup** main level.
2. Select the **Display** option.
3. Select **OFF** (turns off when inactive) or **ON** (always on).

## Screen Reverse

To set the orientation of the display:

1. Go to the **Setup** main level.
2. Select the **Screen Rev** option.
3. Select from **OFF** (right-side up) or **ON** (upside-down).

## Dimmer Curve

To set the dimmer curve:

1. Go to the **Setup** main level.
2. Select the **Dimmer Curve** option.
3. Select the dimmer curve, from **Linear**, **Square**, **I Squa**, or **SCurve**.

## Dimmer Speed

To set the dimmer speed mode:

1. Go to the **Setup** main level.
2. Select the **Dimmer Speed** option.
3. Select the dimmer curve, from **Smooth** or **Fast**.

## Pulse-Width Modulation Options

To set the PWM frequency:

1. Go to the **Setup** main level.
2. Select the **PWM Option** option.
3. Select the frequency, from **600Hz**, **1200Hz**, **4000Hz**, **6000Hz**, or **15000Hz**.

## LED Power

To adjust the power for each color of LED, so as to match the output to a legacy Rogue Wash product:

1. Go to the **Setup** main level.
2. Select the **LED R POWER** (red), **LED G POWER** (green), **LED B POWER** (blue), or **LED W POWER** (white) option.
3. Increase or decrease the power of the selected color, from **050–100**.



**Match each color of the Rogue R1 Beam Wash one at a time with each individual color of the legacy Rogue Wash product(s). This ensures an equal output and color balance from each product.**

4. Repeat steps 2 and 3 until the output of the Rogue R1 Beam Wash is identical to the output of the legacy Rogue Wash product(s).

## Red Shift

With red shift enabled, the color temperature will warm as the dimmer decreases in imitation of a lamp. To enable or disable the red shift function:

1. Go to the **Setup** main level.
2. Select the **Red Shift** option.
3. Select from **On** or **Off**.



## Operation

### White Mode

To turn the White Mode on or off, or edit the balance of the White Mode:

1. Go to the **Setup** main level.
2. Select the **White Mode** option.
3. Select **On** (to calibrate the color temperature to 7500K), **Off** (to sets all colors to maximum output), or **Custom** (to customize the White Mode).
4. If **Custom** was selected, then select which color to edit, from **RED**, **GREEN**, **BLUE**, or **WHITE**.
5. Increase or decrease the maximum output level of the selected color, from **000–255**.

### Color Calibration

To alter the color calibration settings:

1. Go to the **Setup** main level.
2. Select the **Color Calibration** option.
3. Select the calibration mode, from **On** (Uses factory default settings), **Off** (Sets all colors to maximum output), or **Custom** (To set a custom white balance).
4. If **Custom** was selected, then select which color to edit, from **RED**, **GREEN**, or **BLUE**.
5. Increase or decrease the maximum output level of the selected color, from **100–255**.

### Reset Function

To reset specific functions or the entire product:

1. Go to the **Setup** main level.
2. Select the **Reset Function** option.
3. Select the functions to reset, from **Pan/Tilt**, **Zoom**, or **All**.
4. Select **NO** (to cancel) or **YES** (to reset the selected functions).

### Factory Reset

To reset the product to factory settings:

1. Go to the **Setup** main level.
2. Select the **Factory Set** option.

### Test Mode

#### Auto Test

To have the Rogue R1 Beam Wash automatically test all functions one after the other:

1. Go to the **Run Mode** main level.
2. Select the **Auto Test** option.

#### Manual Test

To manually test an individual function of the Rogue R1 Beam Wash:

1. Go to the **Run Mode** main level.
2. Select the **Manual Test** option.
3. Select a function to test, from **Pan**, **Tilt**, **Dimmer**, **Shutter**, **Red**, **Green**, **Blue**, **White**, or **Zoom**.
4. Increase or decrease the value of the selected function from **000–255** to test it.

### System Information

The information section of the menu displays statistics and the current status of the product's various functions. To view these information sections:

1. Go to the **Sys Info** main level.
2. Select the **System Information** option.

### Offset Mode

The Offset mode provides fine adjustments for the home position of every moving part in the optical path as well as the pan and tilt movements. To adjust these options and prevent borders showing or reduction of the light output:

1. From the main level screen, press and hold **<MENU>** until the passcode screen appears.
2. Enter the passcode: **2323** and press **<ENTER>**.
3. Select the "zero" position to adjust, from **PAN**, **TILT**, or **Zoom**.
4. Adjust the "zero" position for the selected function from **000–255**.

## Error Codes

See the table below for error codes and recommended solutions:

| Error Code       | Possible Reason  | Potential Solution  |
|------------------|------------------|---------------------|
| Lamp Hot         | Overheated LED   | Do a factory reset  |
|                  |                  | Update software     |
|                  |                  | Check connections   |
|                  |                  | Check fan functions |
| Thermistor Open  | Thermistor open  | Do a factory reset  |
|                  |                  | Update software     |
|                  |                  | Check connection    |
|                  |                  | Replace thermistor  |
| Thermistor Short | Thermistor short | Do a factory reset  |
|                  |                  | Update software     |
|                  |                  | Check connection    |
|                  |                  | Replace thermistor  |

# 5. Maintenance

## Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean your lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution or ammonia-free glass cleaner.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.



**Always dry the transparent surfaces carefully after cleaning them.**



**Do not spin the cooling fans with compressed air. Damage may result.**

## 6. Technical Specifications

### Dimensions and Weight

| Length           | Width            | Height            | Weight            |
|------------------|------------------|-------------------|-------------------|
| 8.42 in (214 mm) | 6.29 in (160 mm) | 14.52 in (369 mm) | 11.8 lb (5.35 kg) |

**Note:** Dimensions in inches are rounded.

### Power

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

| Parameter                        | 120 V, 60 Hz      | 208 V, 60 Hz      | 230 V, 50 Hz       |
|----------------------------------|-------------------|-------------------|--------------------|
| Consumption                      | 284 W             | 297 W             | 271 W              |
| Operating Current                | 2.38 A            | 1.37 A            | 1.215 A            |
| Power linking current (products) | 12 A (5 products) | 12 A (9 products) | 12 A (11 products) |
| Fuse/Breaker                     | F 5 A, 250 V      | F 5 A, 250 V      | F 5 A, 250 V       |

| Power I/O              | U.S./Worldwide       | UK/Europe            |
|------------------------|----------------------|----------------------|
| Power Input Connector  | Neutrik® powerCON® A | Neutrik® powerCON® A |
| Power Output Connector | Neutrik® powerCON® B | Neutrik® powerCON® B |
| Power Cord plug        | Edison (U.S.)        | Local Plug           |

### Light Source

| Type | Color           | Quantity | Power | Current | Lifespan     |
|------|-----------------|----------|-------|---------|--------------|
| LED  | Quad-color RGBW | 7        | 40 W  | 980 mA  | 50,000 hours |

### Photometrics

| Beam Angle  | Field Angle | Zoom Range    | Cutoff Angle  |
|-------------|-------------|---------------|---------------|
| 4° to 37.8° | 5° to 58.2° | 3.4° to 67.7° | 5.5° to 67.7° |

| Illuminance @ 5 m (5°) | Illuminance @ 5 m (55°) | Color Temperature Range |
|------------------------|-------------------------|-------------------------|
| 13,939 lux             | 383 lux                 | 2800 to 10000 K         |

### Thermal

| Maximum External Temperature | Cooling System          |
|------------------------------|-------------------------|
| 113 °F (45 °C)               | Fan-assisted Convection |

### DMX

| I/O Connector | Channel Range    |
|---------------|------------------|
| 5-pin XLR     | 14, 15, 19 or 21 |

### Ordering

| Product Name       | Item Name | Item Code | UPC Number   |
|--------------------|-----------|-----------|--------------|
| Rogue R1 Beam Wash | ROGUER1BW | 08011620  | 781462219680 |



RoHS



## Contact Us

| General Information                                                                                                                                     | Technical Support                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>World Headquarters</b>                                                                                                                               |                                                                                                                                                                                                                                  |
| Address: 3360 Davie Rd., Suite 509<br>Davie, FL 33314<br>Voice: (954) 577-4455<br>Fax: (954) 929-5560<br>Toll Free: (800) 762-1084                      | Voice: (844) 393-7575<br>Fax: (954) 756-8015<br>Email: <a href="mailto:chauvetcs@chauvetlighting.com">chauvetcs@chauvetlighting.com</a><br>Website: <a href="http://www.chauvetprofessional.com">www.chauvetprofessional.com</a> |
| <b>U.K.</b>                                                                                                                                             |                                                                                                                                                                                                                                  |
| Address: Pod 1 EVO Park<br>Little Oak Drive, Sherwood Park<br>Nottinghamshire, NG15 0EB<br>UK<br>Voice: +44 (0) 1773 511115<br>Fax: +44 (0) 1773 511110 | Email: <a href="mailto:UKtech@chauvetlighting.eu">UKtech@chauvetlighting.eu</a><br>Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>                                                           |
| <b>Benelux</b>                                                                                                                                          |                                                                                                                                                                                                                                  |
| Address: Vaartlaan 9<br>9800 Deinze<br>Belgium<br>Voice: +32 9 388 93 97                                                                                | Email: <a href="mailto:BNLtech@chauvetlighting.eu">BNLtech@chauvetlighting.eu</a><br>Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>                                                         |
| <b>France</b>                                                                                                                                           |                                                                                                                                                                                                                                  |
| Address: 3, Rue Ampère<br>91380 Chilly-Mazarin<br>France<br>Voice: +33 1 78 85 33 59                                                                    | Email: <a href="mailto:FRtech@chauvetlighting.fr">FRtech@chauvetlighting.fr</a><br>Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>                                                           |
| <b>Germany</b>                                                                                                                                          |                                                                                                                                                                                                                                  |
| Address: Bruno-Bürgel-Str. 11<br>28759 Bremen<br>Germany<br>Voice: +49 421 62 60 20                                                                     | Email: <a href="mailto:DEtech@chauvetlighting.de">DEtech@chauvetlighting.de</a><br>Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>                                                           |
| <b>Mexico</b>                                                                                                                                           |                                                                                                                                                                                                                                  |
| Address: Av. de las Partidas 34 - 3B<br>(Entrance by Calle 2)<br>Zona Industrial Lerma<br>Lerma, Edo. de México, CP 52000<br>Voice: +52 (728) 690-2010  | Email: <a href="mailto:servicio@chauvet.com.mx">servicio@chauvet.com.mx</a><br>Website: <a href="http://www.chauvetprofessional.mx">www.chauvetprofessional.mx</a>                                                               |

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of record.