# ROGUE R3X WASH

## User Manual

Model ID: ROGUER3XWASH

CHAUVET PROFESSIONAL

# Edition Notes

The Rogue R3X Wash User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Rogue R3X Wash as of the release date of this edition.

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## 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.

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## Document Revision

Go to www.chauvetprofessional.com for the latest version.

| Revision | Date | Description |
|---|---|---|
| 7 | 07/2025 | Corrected CTC information in DMX chart |

# TABLE OF CONTENTS

# 1. Before You Begin

## What Is Included

- Rogue R3X 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 |
|---|---|
| **1–512** | A range of values |
| **50/60** | A set of values of which only one can be chosen |
| **Settings** | A menu option not to be modified |
| **<ENTER>** | 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. |

📝 **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.**

# 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 25.3 ft (7.7 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 20 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.**

## 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.

# 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
- 37 RGBW LEDs, 25 W each
- 3- and 5-pin DMX input/output connections
- Unique lens design for excellent color blending
- Fast, smooth pan and tilt movement
- RDM enabled for remote addressing and trouble shooting
- Selectable LED maximum output to match legacy Rogue R3 Washes
- Selectable PWM settings for camera operation
- 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
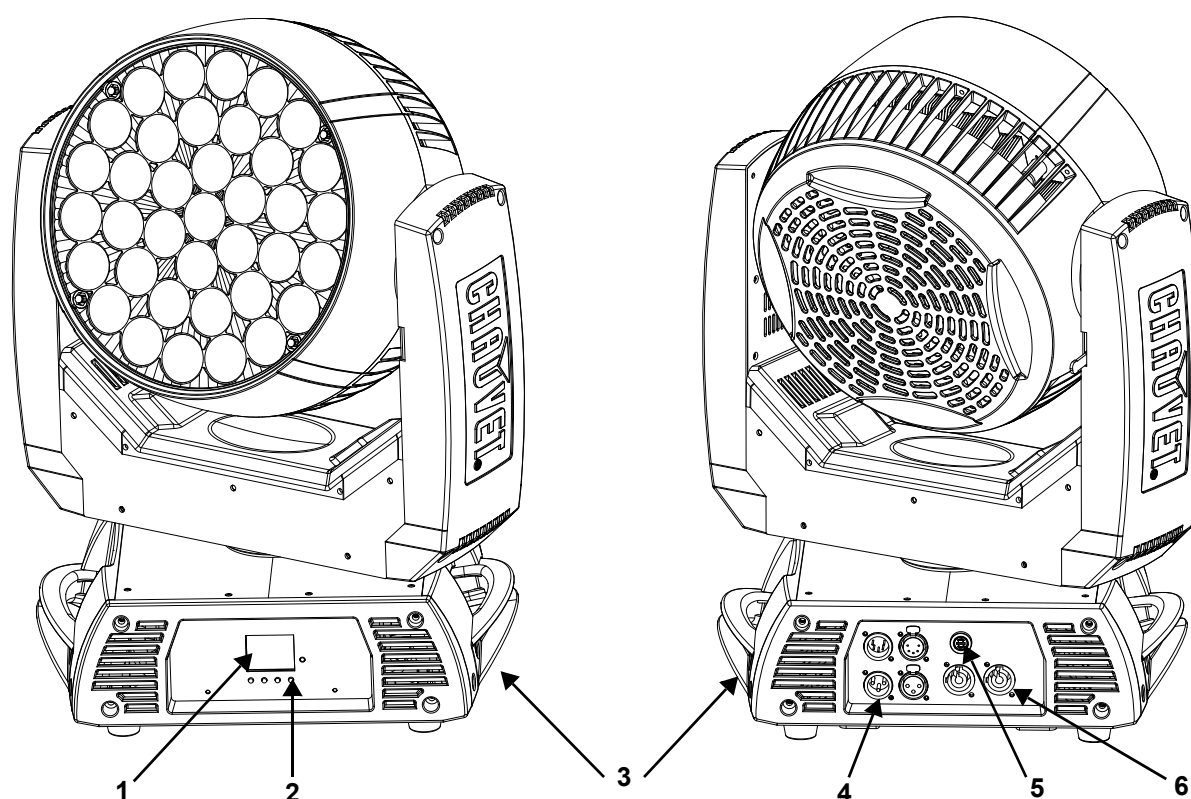


| # | Name | # | Name |
|---|---|---|---|
| 1 | OLED display | 4 | DMX in/out |
| 2 | Menu buttons | 5 | Fuse holder |
| 3 | Carry handle (X2) | 6 | Power in/out |

## Product Dimensions



15.51 in
394 mm

11.73 in
298 mm

11.85 in
301 mm

18.5 in
470 mm

4.53 in
115 mm

10.39 in
264 mm

11.12 in
282 mm
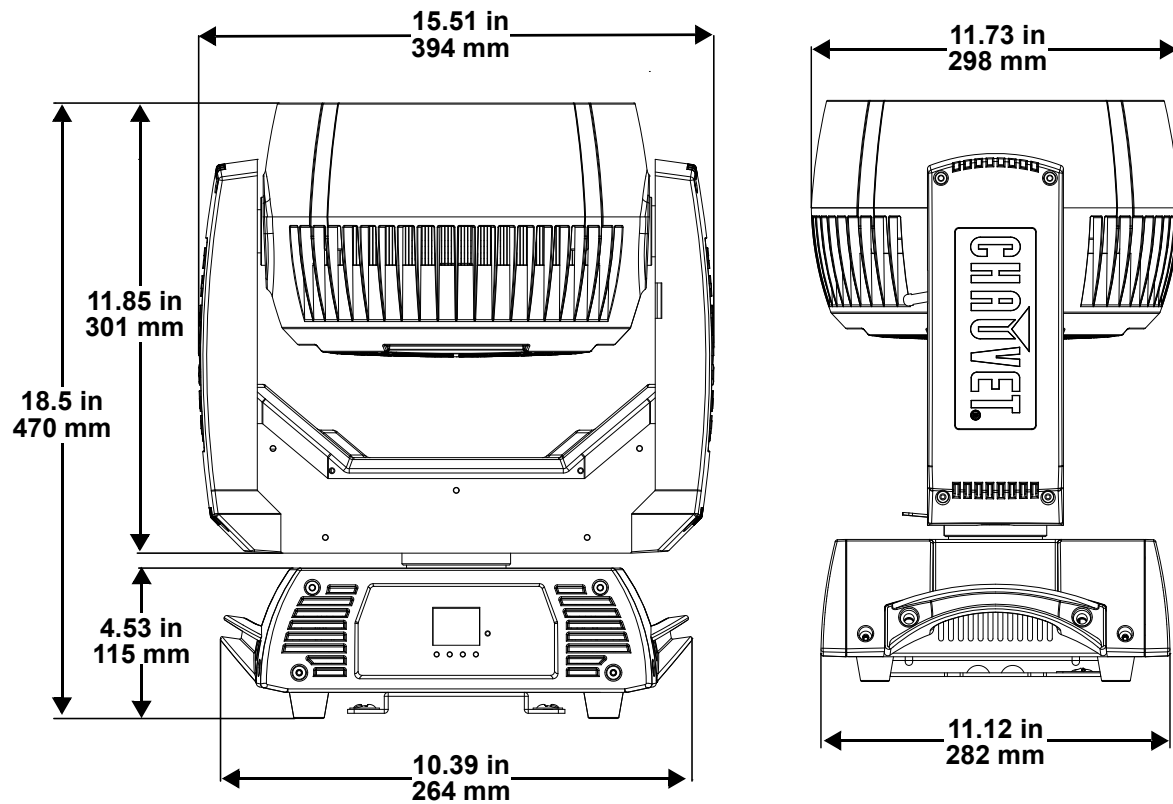
# 3. Setup

## AC Power

The Rogue R3X 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 R3X Wash comes with a power input cord terminated with a Seetronic Powerkon A connector on one end and an Edison plug on the other end (U.S. market). If the power input cord which came with the product has no plug, or if it is necessary 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 |

## 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.

## Power Linking

It is possible to power link Rogue R3X Wash products. See the table below for the current draw at each voltage and frequency:

| | 100 V, 60 Hz | 120 V, 60 Hz | 208 V, 60 Hz | 230 V, 50 Hz | 240 V, 50 Hz |
|---|---|---|---|---|---|
| **Current Draw** | 6.76 A | 5.60 A | 3.136 A | 2.85 A | 2.738 A |

Never exceed 12 A on a single circuit. Power-linking cables can be purchased separately.

## 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 R3X 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.

## 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 and attachment points can support the weight before hanging the product (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.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

## Procedure

The Rogue R3X Wash comes with a bracket. The user can directly attach a mounting clamp (sold separately) to this Omega bracket. 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**



**Overhead Mounting**                    **Floor Mounting**

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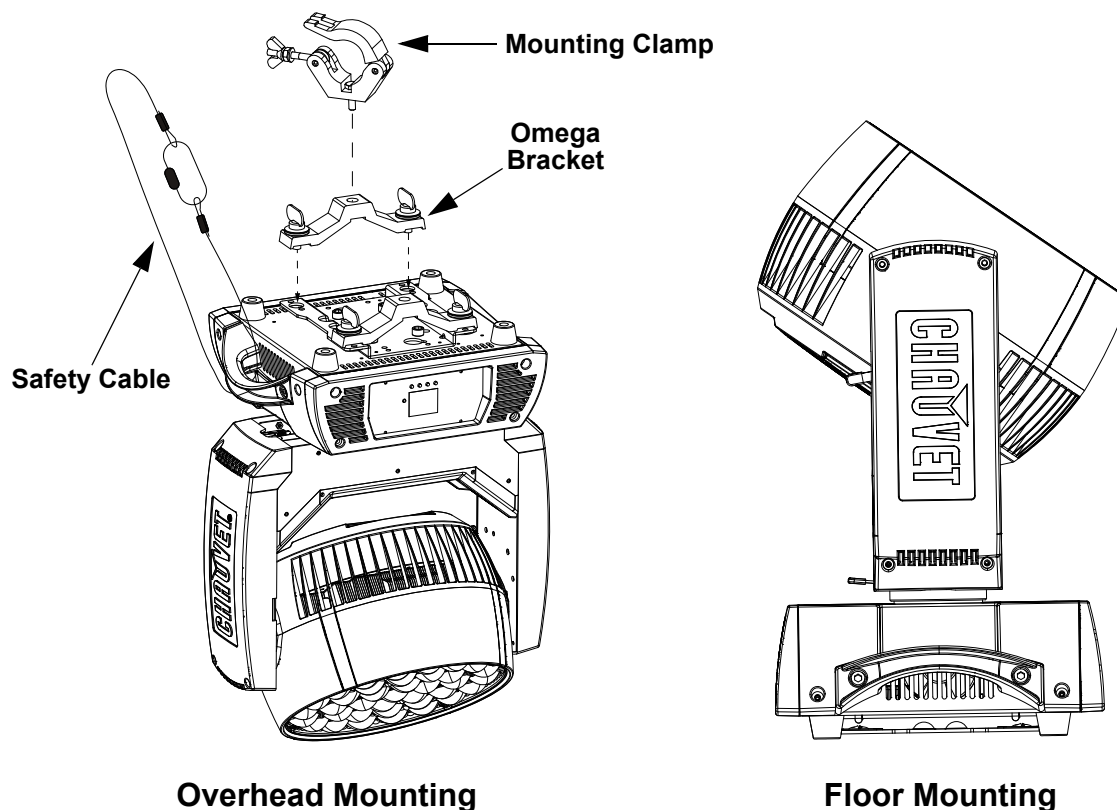
# 4. Operation

## 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 R3X Wash starting address in the **001–512** DMX range.

## 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 access the main menu, press **<MENU>**.
- To navigate to the desired option in the main menu, press **<MENU>** repeatedly until the option is indicated, or use **<UP>** or **<DOWN>** to navigate directly.
- Press **<ENTER>** to select the indicated option.
- Use **<UP>** or **<DOWN>** to navigate within a programming level until the desired option is indicated.
- To return to the main menu, press **<MENU>** repeatedly until it shows on the display.
- Press and hold **<MENU>** to return to the home screen.

## Menu Map

| Main Level | Programming Levels | | | Description |
|---|---|---|---|---|
| **Address** | **001–512** | | | Sets the starting address |
| **Run Mode** | **DMX** | **21 CH** | | Selects the DMX personality |
| | | **27 CH** | | |
| | | **62 CH** | | |
| | | **71 CH** | | |
| | | **107 CH** | | |
| | **Auto Test** | | | Auto test all functions |
| | **Manual Test** | **Pan** | **000–255** | Manually control and test all settings through the control panel |
| | | **Tilt** | | |
| | | **P/T Speed** | | |
| | | **Red** | | |
| | | **Green** | | |
| | | **Blue** | | |
| | | **White** | | |
| | | **CTC** | | |
| | | **Color** | | |
| | | **Pattern** | | |
| | | **LED Macro** | | |
| | | **LED Ma. Speed** | | |
| | | **LED Ma. Fade** | | |
| | | **Background** | | |
| | | **Background Dim.** | | |
| | | **Dimmer** | | |
| | | **Shutter** | | |
| | | **Zoom** | | |

| Main Level | Programming Levels | | | Description |
|---|---|---|---|---|
| Setup | Pan Reverse | OFF | | Normal pan |
| | | ON | | Reversed pan |
| | Tilt Reverse | OFF | | Normal tilt |
| | | ON | | Reversed tilt |
| | Zoom Reverse | OFF | | Reverse zoom operation |
| | | ON | | Normal zoom operation |
| | 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 |
| | XY Mode | Fast | | Sets pan/tilt speed |
| | | Slow | | |
| | 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 |
| | C Mixing Mode | RGBW | | Set the color mixing method |
| | | CMY | | |
| | 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 | | |
| | | 2000Hz | | |
| | | 4000Hz | | |
| | | 6000Hz | | |
| | | 15000Hz | | |
| | 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 |
| | 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 |

| Main Level | Programming Levels | | | Description |
|---|---|---|---|---|
| **Setup** (cont.) | **Reset Function** | **Pan/Tilt** | NO | Reset individual functions or all functions from start-up |
| | | | YES | |
| | | **Zoom** | NO | |
| | | | YES | |
| | | **All** | NO | |
| | | | YES | |
| | **Factory Reset** | | Yes | Reset to factory default settings |
| | | | No | |
| **Sys Info** | **Ver** | | | 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.

## DMX 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 **21 CH**, **27 CH, 62 CH**, **71 CH**, or **107 CH**.

- See the Starting Address section for the highest starting address 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**).

| Personality | Highest Address |
|---|---|
| 21 Ch | 492 |
| 27 Ch | 486 |
| 62 Ch | 451 |
| 71 Ch | 442 |
| 107 Ch | 406 |

# Control Channel Assignments and Values

## Strobe Chart

| Value | Percent/Setting | Value | Percent/Setting |
|---|---|---|---|
| **000 ⇔ 019** | Off | **145 ⇔ 149** | On |
| **020 ⇔ 024** | On | **150 ⇔ 164** | Random strobe 0-100%, fast to slow |
| **025 ⇔ 064** | Strobe, fast to slow | **165 ⇔ 169** | On |
| **065 ⇔ 069** | On | **170 ⇔ 184** | Pulse strobe, fast to slow |
| **070 ⇔ 084** | Strobe 100-0%, fast to slow | **185 ⇔ 189** | On |
| **085 ⇔ 089** | On | **190 ⇔ 204** | Random pulse strobe, fast to slow |
| **090 ⇔ 104** | Strobe 0-100%, fast to slow | **205 ⇔ 209** | On |
| **105 ⇔ 109** | On | **210 ⇔ 224** | Strobe 0-100-0%, fast to slow |
| **110 ⇔ 124** | Random strobe, fast to slow | **225 ⇔ 229** | On |
| **125 ⇔ 129** | On | **230 ⇔ 244** | Pulse strobe, fast to slow |
| **130 ⇔ 144** | Random strobe 100-0%, fast to slow | **245 ⇔ 255** | On |

## Color Chart

| DMX Value | Percent/Setting | Red Value | Green Value | Blue Value | White Value |
|---|---|---|---|---|---|
| **000** | **No function** | 000 | 000 | 000 | 000 |
| **001 ⇔ 002** | **White 2700K** | 156 | 118 | 000 | 063 |
| **003 ⇔ 004** | **White 3200K** | 156 | 141 | 005 | 089 |
| **005 ⇔ 006** | **White 4200K** | 156 | 141 | 014 | 255 |
| **007 ⇔ 008** | **White 5600K** | 156 | 207 | 054 | 255 |
| **009 ⇔ 010** | **White 8000K** | 130 | 255 | 096 | 255 |
| **011** | **Blue** | 000 | 000 | 255 | 000 |
| **012 ⇔ 048** | | 000 | + | 255 | 000 |
| **049** | **Cyan** | 000 | 255 | 255 | 000 |
| **050 ⇔ 086** | | 000 | 255 | - | 000 |
| **087** | **Green** | 000 | 255 | 000 | 000 |
| **088 ⇔ 124** | | + | 255 | 000 | 000 |
| **125** | **Yellow** | 255 | 255 | 000 | 000 |
| **126 ⇔ 162** | | 255 | - | 000 | 000 |
| **163** | **Red** | 255 | 000 | 000 | 000 |
| **164 ⇔ 200** | | 255 | 000 | + | 000 |
| **201** | **Magenta** | 255 | 000 | 255 | 000 |
| **202 ⇔ 238** | | - | 000 | 255 | 000 |
| **239** | **Blue** | 000 | 000 | 255 | 000 |
| **240 ⇔ 247** | **Color fade, fast to slow** | Various | Various | Various | Various |
| **248 ⇔ 255** | **Color snap, fast to slow** | Various | Various | Various | Various |

## Gobo Values

| Values | Gobo | Values | Gobo | Values | Gobo |
|---|---|---|---|---|---|
| 000 ⇔ 003 | No function | 088 ⇔ 090 | Gobo 28 | 172 ⇔ 174 | Gobo 56 |
| 004 ⇔ 006 | Gobo 1 | 091 ⇔ 093 | Gobo 29 | 175 ⇔ 177 | Gobo 57 |
| 007 ⇔ 009 | Gobo 2 | 094 ⇔ 096 | Gobo 30 | 178 ⇔ 180 | Gobo 58 |
| 010 ⇔ 012 | Gobo 3 | 097 ⇔ 099 | Gobo 31 | 181 ⇔ 183 | Gobo 59 |
| 013 ⇔ 015 | Gobo 4 | 100 ⇔ 102 | Gobo 32 | 184 ⇔ 186 | Gobo 60 |
| 016 ⇔ 018 | Gobo 5 | 103 ⇔ 105 | Gobo 33 | 187 ⇔ 189 | Gobo 61 |
| 019 ⇔ 021 | Gobo 6 | 106 ⇔ 108 | Gobo 34 | 190 ⇔ 192 | Gobo 62 |
| 022 ⇔ 024 | Gobo 7 | 109 ⇔ 111 | Gobo 35 | 193 ⇔ 195 | Gobo 63 |
| 025 ⇔ 027 | Gobo 8 | 112 ⇔ 114 | Gobo 36 | 196 ⇔ 198 | Gobo 64 |
| 028 ⇔ 030 | Gobo 9 | 115 ⇔ 117 | Gobo 37 | 199 ⇔ 201 | Gobo 65 |
| 031 ⇔ 033 | Gobo 10 | 118 ⇔ 120 | Gobo 38 | 202 ⇔ 204 | Gobo 66 |
| 034 ⇔ 036 | Gobo 11 | 121 ⇔ 123 | Gobo 39 | 205 ⇔ 207 | Gobo 67 |
| 037 ⇔ 039 | Gobo 12 | 124 ⇔ 126 | Gobo 40 | 208 ⇔ 210 | Gobo 68 |
| 040 ⇔ 042 | Gobo 13 | 127 ⇔ 129 | Gobo 41 | 211 ⇔ 213 | Gobo 69 |
| 043 ⇔ 045 | Gobo 14 | 130 ⇔ 132 | Gobo 42 | 214 ⇔ 216 | Gobo 70 |
| 046 ⇔ 048 | Gobo 15 | 133 ⇔ 135 | Gobo 43 | 217 ⇔ 219 | Gobo 71 |
| 049 ⇔ 051 | Gobo 16 | 136 ⇔ 138 | Gobo 44 | 220 ⇔ 222 | Gobo 72 |
| 052 ⇔ 054 | Gobo 17 | 139 ⇔ 141 | Gobo 45 | 223 ⇔ 225 | Gobo 73 |
| 055 ⇔ 057 | Gobo 18 | 142 ⇔ 144 | Gobo 46 | 226 ⇔ 228 | Gobo 74 |
| 058 ⇔ 060 | Gobo 19 | 145 ⇔ 147 | Gobo 47 | 229 ⇔ 231 | Gobo 75 |
| 061 ⇔ 063 | Gobo 20 | 148 ⇔ 150 | Gobo 48 | 232 ⇔ 234 | Gobo 76 |
| 067 ⇔ 069 | Gobo 21 | 151 ⇔ 153 | Gobo 49 | 235 ⇔ 237 | Gobo 77 |
| 070 ⇔ 072 | Gobo 22 | 154 ⇔ 156 | Gobo 50 | 238 ⇔ 240 | Gobo 78 |
| 073 ⇔ 075 | Gobo 23 | 157 ⇔ 159 | Gobo 51 | 241 ⇔ 243 | Gobo 79 |
| 076 ⇔ 078 | Gobo 24 | 160 ⇔ 162 | Gobo 52 | 244 ⇔ 246 | Gobo 80 |
| 079 ⇔ 081 | Gobo 25 | 163 ⇔ 165 | Gobo 53 | 247 ⇔ 249 | Gobo 81 |
| 082 ⇔ 084 | Gobo 26 | 166 ⇔ 168 | Gobo 54 | 250 ⇔ 252 | Gobo 82 |
| 085 ⇔ 087 | Gobo 27 | 169 ⇔ 171 | Gobo 55 | 253 ⇔ 255 | Gobo 83 |

## LED Built-ins

| Values | LED Built-in (color controllable) | Values | LED Built-in (color controllable) | Values | LED Built-ins (auto color) | Values | LED Built-ins (auto color) |
|---|---|---|---|---|---|---|---|
| 000 ⇔ 015 | No function | 052 ⇔ 053 | Built-in 19 | 136 ⇔ 137 | Built-in 37 | 172 ⇔ 173 | Built-in 55 |
| 016 ⇔ 017 | Built-in 1 | 054 ⇔ 055 | Built-in 20 | 138 ⇔ 139 | Built-in 38 | 174 ⇔ 175 | Built-in 56 |
| 018 ⇔ 019 | Built-in 2 | 056 ⇔ 057 | Built-in 21 | 140 ⇔ 141 | Built-in 39 | 176 ⇔ 177 | Built-in 57 |
| 020 ⇔ 021 | Built-in 3 | 058 ⇔ 059 | Built-in 22 | 142 ⇔ 143 | Built-in 40 | 178 ⇔ 179 | Built-in 58 |
| 022 ⇔ 023 | Built-in 4 | 060 ⇔ 061 | Built-in 23 | 144 ⇔ 145 | Built-in 41 | 180 ⇔ 181 | Built-in 59 |
| 024 ⇔ 025 | Built-in 5 | 062 ⇔ 063 | Built-in 24 | 146 ⇔ 147 | Built-in 42 | 182 ⇔ 183 | Built-in 60 |
| 026 ⇔ 027 | Built-in 6 | 064 ⇔ 065 | Built-in 25 | 148 ⇔ 149 | Built-in 43 | 184 ⇔ 185 | Built-in 61 |
| 028 ⇔ 029 | Built-in 7 | 066 ⇔ 067 | Built-in 26 | 150 ⇔ 151 | Built-in 44 | 186 ⇔ 187 | Built-in 62 |
| 030 ⇔ 031 | Built-in 8 | 068 ⇔ 069 | Built-in 27 | 152 ⇔ 153 | Built-in 45 | 188 ⇔ 189 | Built-in 63 |
| 032 ⇔ 033 | Built-in 9 | 070 ⇔ 071 | Built-in 28 | 154 ⇔ 155 | Built-in 46 | 190 ⇔ 191 | Built-in 64 |
| 034 ⇔ 035 | Built-in 10 | 072 ⇔ 073 | Built-in 29 | 156 ⇔ 157 | Built-in 47 | 192 ⇔ 193 | Built-in 65 |
| 036 ⇔ 037 | Built-in 11 | 074 ⇔ 075 | Built-in 30 | 158 ⇔ 159 | Built-in 48 | 194 ⇔ 195 | Built-in 66 |
| 038 ⇔ 039 | Built-in 12 | 076 ⇔ 077 | Built-in 31 | 160 ⇔ 161 | Built-in 49 | 196 ⇔ 197 | Built-in 67 |
| 040 ⇔ 041 | Built-in 13 | 078 ⇔ 079 | Built-in 32 | 162 ⇔ 163 | Built-in 50 | 198 ⇔ 199 | Built-in 68 |
| 042 ⇔ 043 | Built-in 14 | 080 ⇔ 081 | Built-in 33 | 164 ⇔ 165 | Built-in 51 | 200 ⇔ 201 | Built-in 69 |
| 044 ⇔ 045 | Built-in 15 | 082 ⇔ 083 | Built-in 34 | 166 ⇔ 167 | Built-in 52 | 202 ⇔ 203 | Built-in 70 |
| 046 ⇔ 047 | Built-in 16 | 084 ⇔ 085 | Built-in 35 | 168 ⇔ 169 | Built-in 53 | 204 ⇔ 205 | Built-in 71 |
| 048 ⇔ 049 | Built-in 17 | 086 ⇔ 135 | Built-in 36 (main) | 170 ⇔ 171 | Built-in 54 | 206 ⇔ 255 | Built-in 72 (main) |
| 050 ⇔ 051 | Built-in 18 | | | | | | |

## Control Chart

| Value | Percent/Setting | Value | Percent/Setting |
|---|---|---|---|
| **000 ⇔ 009** | No function | **120 ⇔ 124** | Fan low speed |
| **010 ⇔ 014** | Pan/Tilt blackout | **125 ⇔ 129** | Fan full speed |
| **015 ⇔ 019** | No function | **130 ⇔ 134** | Fan auto |
| **020 ⇔ 024** | RGBW color mixing (5 sec.) | **135 ⇔ 139** | Dimmer fast mode |
| **025 ⇔ 029** | CMY color mixing (5 sec.) | **140 ⇔ 144** | Dimmer smooth mode |
| **030 ⇔ 049** | No function | **145 ⇔ 149** | Linear curve |
| **050 ⇔ 054** | Pan reset | **150 ⇔ 154** | Square curve |
| **055 ⇔ 059** | Tilt reset | **155 ⇔ 159** | I Squa curve |
| **060 ⇔ 064** | Zoom reset | **160 ⇔ 164** | S-Curve |
| **065 ⇔ 069** | No function | **165 ⇔ 169** | White mode on |
| **070 ⇔ 074** | Reset all | **170 ⇔ 174** | White mode off |
| **075 ⇔ 079** | No function | **175 ⇔ 184** | No function |
| **080 ⇔ 084** | Pan/tilt reverse | **185 ⇔ 186** | PWM 600Hz |
| **085 ⇔ 089** | Pan reverse | **187 ⇔ 188** | PWM 1200Hz |
| **090 ⇔ 094** | Tilt reverse | **189 ⇔ 190** | PWM 2000Hz |
| **095 ⇔ 099** | Cancel pan reverse | **191 ⇔ 192** | PWM 4000Hz |
| **100 ⇔ 104** | Cancel tilt reverse | **193 ⇔ 194** | PWM 6000Hz |
| **105 ⇔ 109** | Cancel pan/tilt reverse | **195 ⇔ 196** | PWM 15000Hz |
| **110 ⇔ 119** | No function | **197 ⇔ 255** | No function |

## Rogue R3X Wash Zones for DMX Control
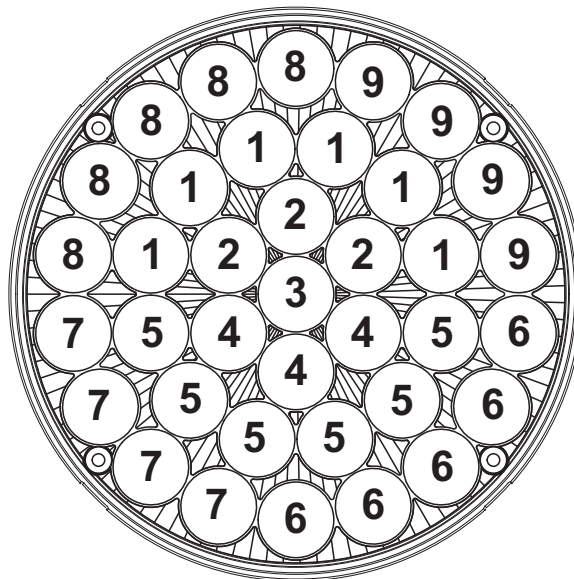
## DMX Values
### 107 CH

| 107 | 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 | 0–100% |
| 6 | Dimmer | | 000 ⇔ 255 | 0–100% |
| 7 | Fine dimmer | | 000 ⇔ 255 | Fine control (16-bit) |
| 8 | Strobe | | 000 ⇔ 255 | see Strobe Chart |
| 9 | CTC | | 000 | No function |
| | | | 001 ⇔ 255 | 19000K to 2700K |
| 10 | Colors | | 000 ⇔ 255 | see Color Chart |
| 11 | Gobos | | 000 ⇔ 255 | see Gobo Values |
| 12 | LED built-in | | 000 ⇔ 255 | see LED Built-ins |
| 13 | LED built-in Speed | | 000 ⇔ 127 | Clockwise, fast to slow |
| | | | 128 | Stop |
| | | | 129 ⇔ 255 | Counterclockwise, slow to fast |
| 14 | LED built-in Delay | | 000 ⇔ 255 | Fast to slow |
| 15 | Background color macros | | 000 ⇔ 255 | see Color Chart |
| 16 | Background color cimmer | | 000 ⇔ 255 | 0–100% |
| 17 | Background color fine dimmer | | 000 ⇔ 255 | Fine control (16-bit) |
| 18 | Background red | | 000 ⇔ 255 | 0–100% |
| 19 | Background fine red | | 000 ⇔ 255 | Fine control (16-bit) |
| 20 | Background green | | 000 ⇔ 255 | 0–100% |
| 21 | Background fine green | | 000 ⇔ 255 | Fine control (16-bit) |
| 22 | Background blue | | 000 ⇔ 255 | 0–100% |
| 23 | Background fine blue | | 000 ⇔ 255 | Fine control (16-bit) |
| 24 | Background white | | 000 ⇔ 255 | 0–100% |
| 25 | Background fine white | | 000 ⇔ 255 | Fine control (16-bit) |
| 26 | Zoom | | 000 ⇔ 255 | Narrow to wide |
| 27 | Control | | 000 ⇔ 255 | see Control Chart |
| 28 | Red | Cyan | 000 ⇔ 255 | 0–100% / 100–0% |
| 29 | Fine red | Fine cyan | 000 ⇔ 255 | Fine control (16-bit) |
| 30 | Green | Magenta | 000 ⇔ 255 | 0–100% / 100–0% |
| 31 | Fine green | Fine magenta | 000 ⇔ 255 | Fine control (16-bit) |
| 32 | Blue | Yellow | 000 ⇔ 255 | 0–100% / 100–0% |
| 33 | Fine blue | Fine yellow | 000 ⇔ 255 | Fine control (16-bit) |
| 34 | White | | 000 ⇔ 255 | 0–100% / 100–0% |
| 35 | Fine white | | 000 ⇔ 255 | Fine control (16-bit) |
| 36 | Red 1 | Cyan 1 | 000 ⇔ 255 | 0–100% / 100–0% |
| 37 | Fine red 1 | Fine cyan 1 | 000 ⇔ 255 | Fine control (16-bit) |
| 38 | Green 1 | Magenta 1 | 000 ⇔ 255 | 0–100% / 100–0% |
| 39 | Fine green 1 | Fine magenta 1 | 000 ⇔ 255 | Fine control (16-bit) |
| 40 | Blue 1 | Yellow 1 | 000 ⇔ 255 | 0–100% / 100–0% |
| 41 | Fine blue 1 | Fine yellow 1 | 000 ⇔ 255 | Fine control (16-bit) |
| 42 | White 1 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 43 | Fine white 1 | | 000 ⇔ 255 | Fine control (16-bit) |
| 44 | Red 2 | Cyan 2 | 000 ⇔ 255 | 0–100% / 100–0% |
| 45 | Fine red 2 | Fine cyan 2 | 000 ⇔ 255 | Fine control (16-bit) |
| 46 | Green 2 | Magenta 2 | 000 ⇔ 255 | 0–100% / 100–0% |

| 107 | Function | | Value | Percent/Setting |
|---|---|---|---|---|
| 47 | Fine green 2 | Fine magenta 2 | 000 ⇔ 255 | Fine control (16-bit) |
| 48 | Blue 2 | Yellow 2 | 000 ⇔ 255 | 0–100% / 100–0% |
| 49 | Fine blue 2 | Fine yellow 2 | 000 ⇔ 255 | Fine control (16-bit) |
| 50 | White 2 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 51 | Fine white 2 | | 000 ⇔ 255 | Fine control (16-bit) |
| 52 | Red 3 | Cyan 3 | 000 ⇔ 255 | 0–100% / 100–0% |
| 53 | Fine red 3 | Fine cyan 3 | 000 ⇔ 255 | Fine control (16-bit) |
| 54 | Green 3 | Magenta 3 | 000 ⇔ 255 | 0–100% / 100–0% |
| 55 | Fine green 3 | Fine magenta 3 | 000 ⇔ 255 | Fine control (16-bit) |
| 56 | Blue | Yellow 3 | 000 ⇔ 255 | 0–100% / 100–0% |
| 57 | Fine blue | Fine yellow 3 | 000 ⇔ 255 | Fine control (16-bit) |
| 58 | White 3 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 59 | Fine white 3 | | 000 ⇔ 255 | Fine control (16-bit) |
| 60 | Red 4 | Cyan 4 | 000 ⇔ 255 | 0–100% / 100–0% |
| 61 | Fine red 4 | Fine cyan 4 | 000 ⇔ 255 | Fine control (16-bit) |
| 62 | Green 4 | Magenta 4 | 000 ⇔ 255 | 0–100% / 100–0% |
| 63 | Fine green 4 | Fine magenta 4 | 000 ⇔ 255 | Fine control (16-bit) |
| 64 | Blue 4 | Yellow 4 | 000 ⇔ 255 | 0–100% / 100–0% |
| 65 | Fine blue 4 | Fine yellow 4 | 000 ⇔ 255 | Fine control (16-bit) |
| 66 | White 4 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 67 | Fine white 4 | | 000 ⇔ 255 | Fine control (16-bit) |
| 68 | Red 5 | Cyan 5 | 000 ⇔ 255 | 0–100% / 100–0% |
| 69 | Fine red 5 | Fine cyan 5 | 000 ⇔ 255 | Fine control (16-bit) |
| 70 | Green 5 | Magenta 5 | 000 ⇔ 255 | 0–100% / 100–0% |
| 71 | Fine green 5 | Fine magenta 5 | 000 ⇔ 255 | Fine control (16-bit) |
| 72 | Blue 5 | Yellow 5 | 000 ⇔ 255 | 0–100% / 100–0% |
| 73 | Fine blue 5 | Fine yellow 5 | 000 ⇔ 255 | Fine control (16-bit) |
| 74 | White 5 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 75 | Fine white 5 | | 000 ⇔ 255 | Fine control (16-bit) |
| 76 | Red 6 | Cyan 6 | 000 ⇔ 255 | 0–100% / 100–0% |
| 77 | Fine red 6 | Fine cyan 6 | 000 ⇔ 255 | Fine control (16-bit) |
| 78 | Green 6 | Magenta 6 | 000 ⇔ 255 | 0–100% / 100–0% |
| 79 | Fine green 6 | Fine magenta 6 | 000 ⇔ 255 | Fine control (16-bit) |
| 80 | Blue 6 | Yellow 6 | 000 ⇔ 255 | 0–100% / 100–0% |
| 81 | Fine blue 6 | Fine yellow 6 | 000 ⇔ 255 | Fine control (16-bit) |
| 82 | White 6 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 83 | Fine white 6 | | 000 ⇔ 255 | Fine control (16-bit) |
| 84 | Red 7 | Cyan 7 | 000 ⇔ 255 | 0–100% / 100–0% |
| 85 | Fine red 7 | Fine cyan 7 | 000 ⇔ 255 | Fine control (16-bit) |
| 86 | Green 7 | Magenta 7 | 000 ⇔ 255 | 0–100% / 100–0% |
| 87 | Fine green 7 | Fine magenta 7 | 000 ⇔ 255 | Fine control (16-bit) |
| 88 | Blue 7 | Yellow 7 | 000 ⇔ 255 | 0–100% / 100–0% |
| 89 | Fine blue 7 | Fine yellow 7 | 000 ⇔ 255 | Fine control (16-bit) |
| 90 | White 7 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 91 | Fine white 7 | | 000 ⇔ 255 | Fine control (16-bit) |
| 92 | Red 8 | Cyan 8 | 000 ⇔ 255 | 0–100% / 100–0% |
| 93 | Fine red 8 | Fine cyan 8 | 000 ⇔ 255 | Fine control (16-bit) |
| 94 | Green 8 | Magenta 8 | 000 ⇔ 255 | 0–100% / 100–0% |
| 95 | Fine green 8 | Fine magenta 8 | 000 ⇔ 255 | Fine control (16-bit) |
| 96 | Blue 8 | Yellow 8 | 000 ⇔ 255 | 0–100% / 100–0% |
| 97 | Fine blue 8 | Fine yellow 8 | 000 ⇔ 255 | Fine control (16-bit) |

| 107 | Function | | Value | Percent/Setting |
|---|---|---|---|---|
| 98 | White 8 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 99 | Fine white 8 | | 000 ⇔ 255 | Fine control (16-bit) |
| 100 | Red 9 | Cyan 9 | 000 ⇔ 255 | 0–100% / 100–0% |
| 101 | Fine red 9 | Fine cyan 9 | 000 ⇔ 255 | Fine control (16-bit) |
| 102 | Green 9 | Magenta 9 | 000 ⇔ 255 | 0–100% / 100–0% |
| 103 | Fine green 9 | Fine magenta 9 | 000 ⇔ 255 | Fine control (16-bit) |
| 104 | Blue 9 | Yellow 9 | 000 ⇔ 255 | 0–100% / 100–0% |
| 105 | Fine blue 9 | Fine yellow 9 | 000 ⇔ 255 | Fine control (16-bit) |
| 106 | White 9 | | 000 ⇔ 255 | 0–100% / 100–0% |
| 107 | Fine white 9 | | 000 ⇔ 255 | Fine control (16-bit) |

## 71 CH, 62 CH, 27 CH, 21 CH

| 21 | 27 | 62 | 71 | Function | | Value | Percent/Setting |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | Pan | | 000 ⇔ 255 | 0–100% |
| 2 | 2 | 2 | 2 | Fine pan | | 000 ⇔ 255 | Fine control (16-bit) |
| 3 | 3 | 3 | 3 | Tilt | | 000 ⇔ 255 | 0–100% |
| 4 | 4 | 4 | 4 | Fine tilt | | 000 ⇔ 255 | Fine control (16-bit) |
| 5 | 5 | 5 | 5 | Pan/tilt speed | | 000 ⇔ 255 | 0–100% |
| 6 | 6 | 6 | 6 | Dimmer | | 000 ⇔ 255 | 0–100% |
| – | 7 | 7 | 7 | Fine dimmer | | 000 ⇔ 255 | Fine control (16-bit) |
| 7 | 8 | 8 | 8 | Strobe | | 000 ⇔ 255 | see Strobe Chart |
| 8 | 9 | 9 | 9 | CTC | | 000 | No function |
| | | | | | | 001 ⇔ 255 | 19000K to 2700K |
| 9 | 10 | 10 | 10 | Colors | | 000 ⇔ 255 | see Color Chart |
| 10 | 11 | 11 | 11 | Gobos | | 000 ⇔ 255 | see Gobo Values |
| 11 | 12 | 12 | 12 | LED built-ins | | 000 ⇔ 255 | see LED Built-ins |
| 12 | 13 | 13 | 13 | LED built-in Speed | | 000 ⇔ 127 | Clockwise, fast to slow |
| | | | | | | 128 | Stop |
| | | | | | | 129 ⇔ 255 | Counterclockwise, slow to fast |
| 13 | 14 | 14 | 14 | LED built-in Delay | | 000 ⇔ 255 | Fast to slow |
| 14 | 15 | 15 | 15 | Background color macros | | 000 ⇔ 255 | see Color Chart |
| 15 | 16 | 16 | 16 | Background color dimmer | | 000 ⇔ 255 | 0–100% |
| – | 17 | – | – | Background color fine dimmer | | 000 ⇔ 255 | Fine control (16-bit) |
| – | – | 17 | 17 | Background red | | 000 ⇔ 255 | 0–100% |
| – | – | 18 | 18 | Background green | | 000 ⇔ 255 | 0–100% |
| – | – | 19 | 19 | Background blue | | 000 ⇔ 255 | 0–100% |
| – | – | 20 | 20 | Background white | | 000 ⇔ 255 | 0–100% |
| 16 | 18 | 21 | 21 | Zoom | | 000 ⇔ 255 | Narrow to wide |
| 17 | 19 | 22 | 22 | Control | | 000 ⇔ 255 | see Control Chart |
| 18 | 20 | 23 | 23 | Red | Cyan | 000 ⇔ 255 | 0–100% / 100–0% |
| – | 21 | – | – | Fine red | Fine cyan | 000 ⇔ 255 | Fine control (16-bit) |
| 19 | 22 | 24 | 24 | Green | Magenta | 000 ⇔ 255 | 0–100% / 100–0% |
| – | 23 | – | – | Fine green | Fine magenta | 000 ⇔ 255 | Fine control (16-bit) |
| 20 | 24 | 25 | 25 | Blue | Yellow | 000 ⇔ 255 | 0–100% / 100–0% |
| – | 25 | – | – | Fine blue | Fine yellow | 000 ⇔ 255 | Fine control (16-bit) |
| 21 | 26 | 26 | 26 | White | | 000 ⇔ 255 | 0–100% |
| – | 27 | – | – | Fine white | | 000 ⇔ 255 | Fine control (16-bit) |
| – | – | – | 27 | Dimmer 1 | | 000 ⇔ 255 | 0–100% |
| – | – | 27 | 28 | Red 1 | Cyan 1 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 28 | 29 | Green 1 | Magenta 1 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 29 | 30 | Blue 1 | Yellow 1 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 30 | 31 | White 1 | | 000 ⇔ 255 | 0–100% |
| – | – | – | 32 | Dimmer 2 | | 000 ⇔ 255 | 0–100% |
| – | – | 31 | 33 | Red 2 | Cyan 2 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 32 | 34 | Green 2 | Magenta 2 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 33 | 35 | Blue 2 | Yellow 2 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 34 | 36 | White 2 | | 000 ⇔ 255 | 0–100% |
| – | – | – | 37 | Dimmer 3 | | 000 ⇔ 255 | 0–100% |
| – | – | 35 | 38 | Red 3 | Cyan 3 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 36 | 39 | Green 3 | Magenta 3 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 37 | 40 | Blue 3 | Yellow 3 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 38 | 41 | White 3 | | 000 ⇔ 255 | 0–100% |

| 21 | 27 | 62 | 71 | Function | | Value | Percent/Setting |
|---|---|---|---|---|---|---|---|
| – | – | – | 42 | Dimmer 4 | | 000 ⇔ 255 | 0–100% |
| – | – | 39 | 43 | Red 4 | Cyan 4 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 40 | 44 | Green 4 | Magenta 4 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 41 | 45 | Blue 4 | Yellow 4 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 42 | 46 | White 4 | | 000 ⇔ 255 | 0–100% |
| – | – | – | 47 | Dimmer 5 | | 000 ⇔ 255 | 0–100% |
| – | – | 43 | 48 | Red 5 | Cyan 5 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 44 | 49 | Green 5 | Magenta 5 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 45 | 50 | Blue 5 | Yellow 5 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 46 | 51 | White 5 | | 000 ⇔ 255 | 0–100% |
| – | – | – | 52 | Dimmer 6 | | 000 ⇔ 255 | 0–100% |
| – | – | 47 | 53 | Red 6 | Cyan 6 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 48 | 54 | Green 6 | Magenta 6 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 49 | 55 | Blue 6 | Yellow 6 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 50 | 56 | White 6 | | 000 ⇔ 255 | 0–100% |
| – | – | – | 57 | Dimmer 7 | | 000 ⇔ 255 | 0–100% |
| – | – | 51 | 58 | Red 7 | Cyan 7 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 52 | 59 | Green 7 | Magenta 7 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 53 | 60 | Blue 7 | Yellow 7 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 54 | 61 | White 7 | | 000 ⇔ 255 | 0–100% |
| – | – | – | 62 | Dimmer 8 | | 000 ⇔ 255 | 0–100% |
| – | – | 55 | 63 | Red 8 | Cyan 8 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 56 | 64 | Green 8 | Magenta 8 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 57 | 65 | Blue 8 | Yellow 8 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 58 | 66 | White 8 | | 000 ⇔ 255 | 0–100% |
| – | – | – | 67 | Dimmer 9 | | 000 ⇔ 255 | 0–100% |
| – | – | 59 | 68 | Red 9 | Cyan 9 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 60 | 69 | Green 9 | Magenta 9 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 61 | 70 | Blue 9 | Yellow 9 | 000 ⇔ 255 | 0–100% / 100–0% |
| – | – | 62 | 71 | White 9 | | 000 ⇔ 255 | 0–100% |

# 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).

## Color Mixing Mode
The Rogue R3X Wash has a mode that emulates CMY (cyan, magenta, and yellow) color mixing. In this mode, the dimming is reversed (000=100%, 255=0%), and the red, green, and blue channels control cyan, magenta, and yellow, respectively.
To set the color mixing mode:
1. Go to the **Setup** main level.
2. Select the **C Mixing Mode** option.
3. Select from **RGBW** (additive mode: red, green, blue, and white), or **CMY** (subtractive mode: red controls cyan, green controls magenta, blue controls yellow).

## 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**, **2000Hz**, **4000Hz**, **6000Hz**, or **15000Hz**.

### 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**.

### 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**.

### 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 R3X Wash automatically test all functions one after the other:
1. Go to the **Running Mode** main level.
2. Select the **Auto Test** option.

### Manual Test
To manually test an individual function of the Rogue R3X Wash:
1. Go to the **Run Mode** main level.
2. Select the **Manual Test** option.
3. Select a function to test, from **Pan**, **Tilt**, **P/T Speed**, **Red**, **Green**, **Blue**, **White**, **CTC**, **Color**, **Pattern**, **LED Macro**, **LED Ma. Speed**, **LED Ma. Fade**, **Background**, **Background Dim.**, **Dimmer**, **Shutter**, 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.

## Zero Adjust Mode
The Zero Adjust 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** | Thermistor overheated | Do a factory reset |
| | | Update software |
| | | Check connection of head to base |
| | | Replace the thermistor |
| **Thermistor Open** | Bad thermistor | Factory reset |
| | | Update software |
| | | Check connection of head to base |
| | | Replace thermistor |
| **Thermistor Short** | Bad thermistor | Do a factory reset |
| | | Update software |
| | | Check connection of the head to the base |
| | | 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.

**(i)** **Always dry the transparent surfaces carefully after cleaning them.**

# 6. Technical Specifications

**Dimensions and Weight**

| Length | Width | Height | Weight |
|---|---|---|---|
| 15.51 in (394 mm) | 11.73 in (298 mm) | 18.50 in (470 mm) | 38.5 lb (17.5 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 | 100 V, 60 Hz | 120 V, 60 Hz | 208 V, 60 Hz | 230 V, 50 Hz | 240 V, 50 Hz |
|---|---|---|---|---|---|
| Consumption | 670 W | 661 W | 653 W | 650 W | 654 W |
| Operating Current | 6.76 A | 5.60 A | 3.136 A | 2.85 A | 2.738 A |
| Power linking current (products) | 12 A (0 products) | 12 A (2 products) | 12 A (3 products) | 12 A (4 products) | 12 A (4 products) |
| Fuse/Breaker | T/F 12 A, 250 V | T/F 12 A, 250 V | T/F 12 A, 250 V | T/F 12 A, 250 V | T/F 12 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 | 37 | 25 W | 1.5 A | 50,000 hours |

**Photometrics**

| Beam Angle | Field Angle | Cutoff Angle | Zoom Angle |
|---|---|---|---|
| 9.3° to 33.9° | 11.6° to 49.5° | 13.1° to 62.6° | 9.3° to 62.6° |

| Illuminance @ 5 m (9.3°) | Illuminance @ 5 m (62.6°) | Color Temperature Range |
|---|---|---|
| 18,260 lux | 1556 lux | 2800 to 10000 K |

**Acoustics**

| Settings | Idle | Max | ECO | Auto | Full |
|---|---|---|---|---|---|
| Sound pressure level (dBA @ 1 m) | 40.1 | 43.1 | 41.5 | 40.1 | 44.8 |

**Thermal**

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

**DMX**

| I/O Connector | Channel Range |
|---|---|
| 3 and 5-pin XLR | 21, 27, 62, 71, or 107 |

**Ordering**

| Product Name | Item Name | Item Code | UPC Number |
|---|---|---|---|
| Rogue R3X Wash | ROGUER3XWASH | 08011592 | 781462219406 |

RoHS

DMX RDM

MET® c us — UL 1573 — CSA C22.2 No. 166 — E113093

FC — UK CA — CE

# Contact Us

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## Warranty & Returns

**For warranty terms and conditions and return information, please visit our website.**

For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration.