ROGUE OUTCAST 2X WASH

User Manual

Model ID: ROGUEOUTCAST2XWASH

CHAUVET PROFESSIONAL

Edition Notes

The Rogue Outcast 2X Wash User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Rogue Outcast 2X Wash as of the release date of this edition.

Trademarks

Chauvet, Chauvet Professional, the Chauvet logo, Rogue, Outcast, and Rogue Outcast 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 designs, 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 for the latest version.

Revision	Date	Description
8	01/2025	Updated Vacuum Test Measurements.

TABLE OF CONTENTS

1. Before You Begin 1
- What Is Included 1
- Claims 1
- Text Conventions 1
- Symbols 1
- Safety Notes 2
- FCC Statement of Compliance 3
- Expected LED Lifespan 3

2. Introduction 4
- Description 4
- Features 4
- Product Overview 4
- Product Dimensions 5

3. Setup 6
- AC Power 6
  - AC Plug 6
  - Power Linking 6
  - Fuse Replacement 6
- DMX Linking 6
  - Remote Device Management 6
- USB Software Update 7
- Mounting 8
  - Orientation 8
  - Rigging 8
  - Procedure 8

4. Operation 9
- Control Panel Description 9
- Menu Map 9
- Configuration 11
  - Control Personalities 11
  - Starting Address 11
- Control Channel Assignments and Values 12
  - Zones for DMX Control 12
  - Strobe Chart 12
  - Color Chart 12
  - Zone Selection Chart 13
  - Programs Chart 13
  - Control Chart 13
  - Advanced Modes 14
    - 56CH / 55CH / 54CH / 33CH 14
  - Basic Modes 16
    - 23CH / 22Ch / 17CH / 15CH 16
  - MS Modes 17
    - 54MS / 33MS 17
- Configuration 18
  - Pan Reverse 18
  - Tilt Reverse 18
  - Pan Angle 18
  - Tilt Angle 18
  - Fan Mode 18
  - Display Backlight Timer 18

Screen Reverse 18
Dimmer Curve 19
Dimmer Speed 19
Pulse Width Modulation 19
LED Power 19
White Mode 19
Color Calibration 19
USB Update 19
Reset Function 19
Factory Reset 20
Test Mode 20
Auto Test 20
Manual Test 20
System Information 20
Offset Mode 20
Error Codes 21
5. Maintenance 22
Product Maintenance 22
Torque Measurements 22
Vacuum Test Measurements 22
6. Technical Specifications 23
Contact Us 24
Warranty & Returns 24

1. Before You Begin

What Is Included

- Rogue Outcast 2X Wash
- Seetronic Powerkon IP65 power cable
- 2 Omega brackets 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 the 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.

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.

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.
- 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.
  - When using an IP65-rated product in an outdoor environment, use IP65- (or higher) rated power and data cable.
  - Replace and secure IP-rated protective covers to all power, data, USB, or other ports when not in use.
  - 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.
  - Submerge this product (adhere to standards for the published IP rating). Regular outdoor operation is fine.
  - Permanently install outdoors in locations with extreme environmental conditions. This includes, but is not limited to:
    - Exposure to a marine/saline environment (within 3 miles of a saltwater body of water).
    - Locations where normal temperatures exceed the temperature ranges in this manual.
    - Locations that are prone to flooding or being buried in snow.
    - Other areas where the product will be subject to extreme radiation or caustic substances.
  - ONLY use the handles or the hanging/mounting brackets 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 a 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

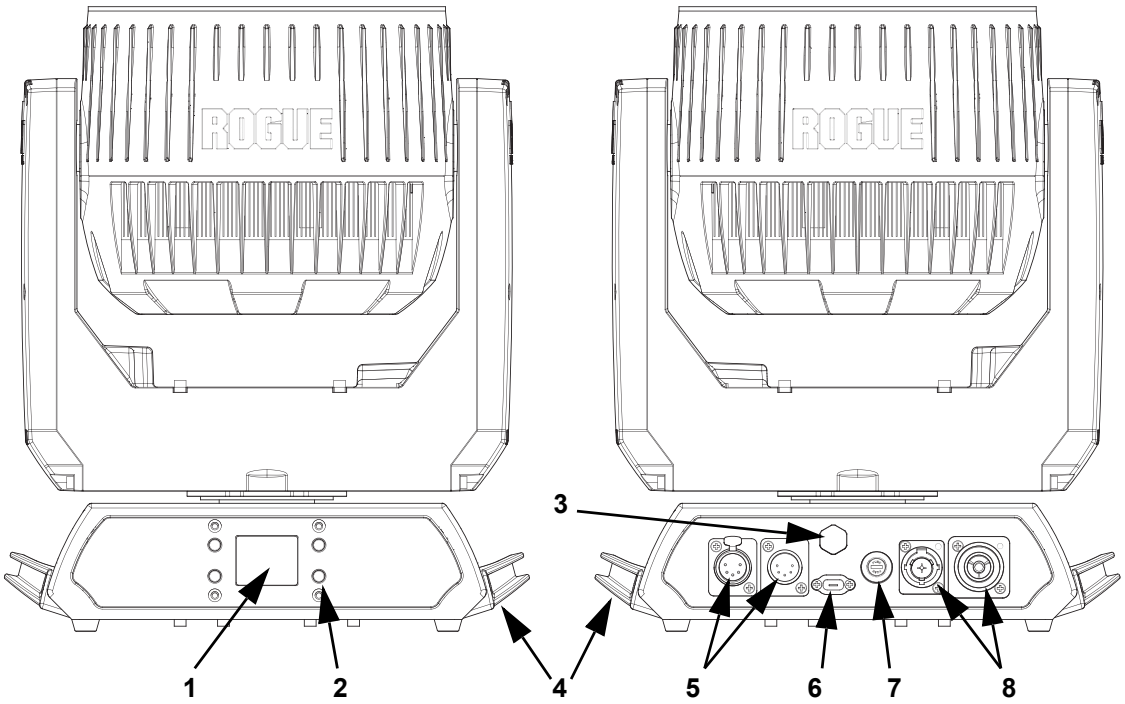
Description

The Rogue Outcast 2X Wash is an IP65 moving head that outputs a bright, powerful light and offers five zones of LED control for pixel mapping. The outdoor-ready unit features a durable, lightweight aluminum/ magnesium alloy body and a standout zoom range of 8° to 66.1°, giving it the spread to cover even the largest areas. Control is over DMX and RDM.

Features

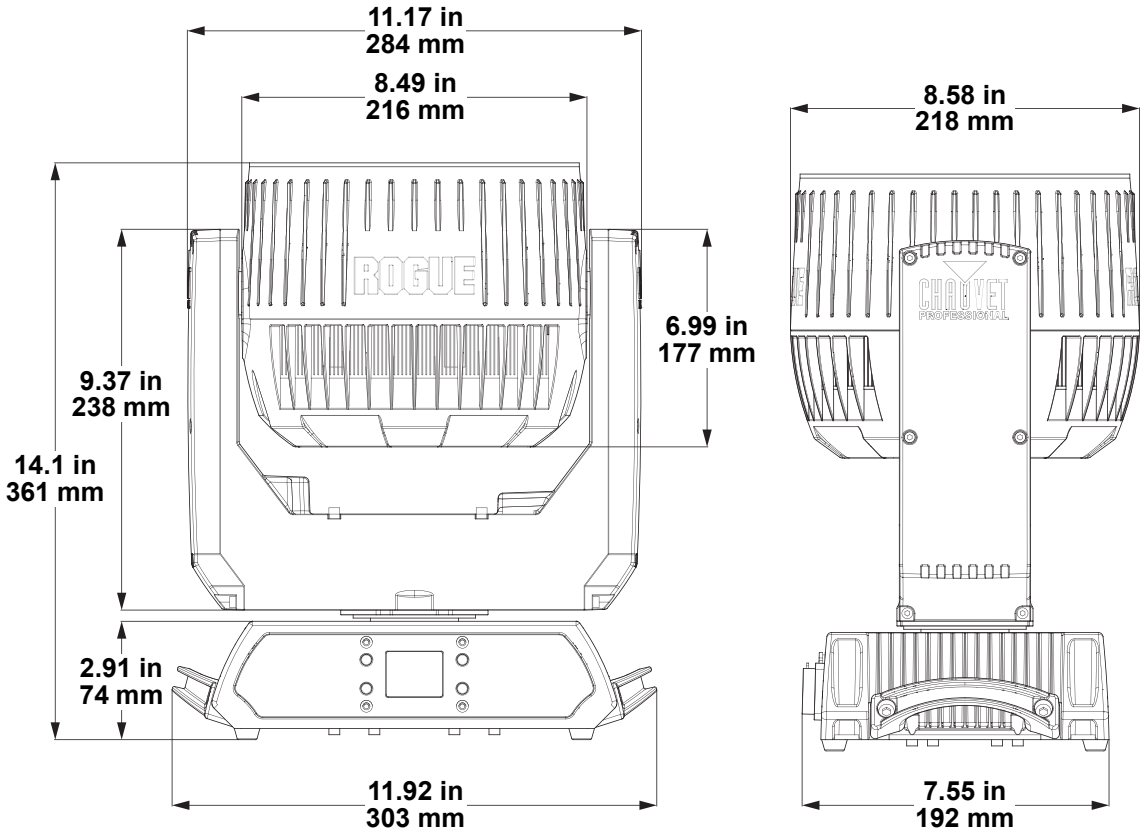
- Fully featured IP65 RGBW LED yoke wash fixture with LED zone control, zoom, durable and lightweight aluminum/magnesium alloy body.
- 16-bit dimming of master dimmer as well as individual colors for smooth control of fades
- 19 RGBW LEDs, 25 W each
- 5-pin DMX input/output connections
- 5 zones of LED control for pixel mapping control
- Color temperature control in select personalities (23Ch, 55Ch)
- Fast, smooth pan and tilt movement
- RDM enabled for remote addressing and trouble shooting
- Selectable PWM options for camera operation
- Easy to read OLED display with simple, effective menu options
- User selectable calibrated white for 7500 K at full output
- 6 distinct dimming modes for advanced control
- Easy to read OLED display with simple, effective menu options
- Simple and complex DMX channel profiles for programming versatility
- USB-C port for uploading software

Product Overview



#	Name	#	Name
1	LCD display	**5**	DMX in/out
2	Menu buttons	**6**	USB C port
3	Condensation valve	**7**	Fuse holder
4	Carry handle	**8**	Power in/out

Product Dimensions



3. Setup

AC Power

The Rogue Outcast 2X 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 Outcast 2X Wash comes with a power input cable terminated with a Seetronic Powerkon A connector on one end and bare wire on the other end (U.S. market). Use the table below to wire a 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

It is possible to power link Rogue Outcast 2X 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	2.98 A	2.47 A	1.41 A	1.28 A	1.23 A

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

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 (8 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

DMX Linking

The Rogue Outcast 2X Wash will work with a DMX controller using a 5-pin DMX serial connection. A DMX Primer is available from www.chauvetprofessional.com.

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 Outcast 2X Wash supports RDM protocol that allows feedback to make changes to menu map options.

USB Software Update

The Rogue Outcast 2X Wash allows for software update through USB using the built-in USB port. To update the software using a USB type C flash drive, do the following:

1. Power on the fixture and plug the flash drive into the USB port.
2. Once the flash drive has been detected, the message "**USB UPDATE**" will be displayed. Select **YES**.
3. The next screen will show the software versions available for this fixture on the USB drive. For multiple versions of the software for the same fixture, use <**UP**> or <**DOWN**> to select the desired version. Press <**ENTER**>.
4. The "**USB UPDATE**" screen will re-appear. Select <**YES**>
5. The upgrade will start. **DO NOT** turn off the power or disconnect the USB while the USB LED is still blinking during the process. The screen display will read: "**USB UPDATE WAIT**". USB update can take several minutes to complete.

When the USB stops blinking, all the motors will power down and the display will go blank. DO NOT turn off the power. The fixture will automatically reboot when the update is done.

6. Go to the Fixture Information on the product's menu map and confirm the firmware revision
7. When the boot-up process is finished, restart the product.

- **Place the .chl file in the root directory of the USB drive.**
- **The product's USB port supports up to 32GB capacity and only works with FAT32 file format.**

Turning off the power or removing the USB while still blinking during the update will cause partial or total firmware failure in the targeted fixture(s). If this occurs, the user will need the UPLOAD 08 device to fix this. Please contact Chauvet regarding this device.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes. For the 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

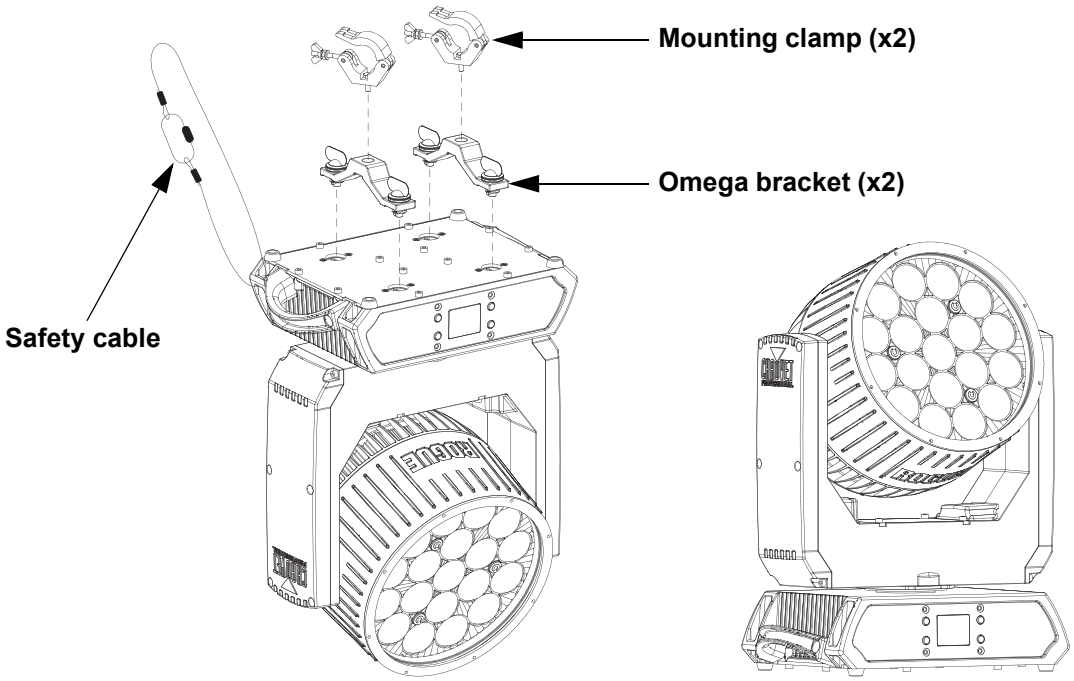
Chauvet recommends using the following general guidelines when mounting this product.

- 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 and attachment points can support the weight before hanging the product. See the Technical Specifications.
- 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 Outcast 2X Wash comes with 2 Omega brackets which can be directly attach to mounting clamps (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
<ENTER>	Enables the currently displayed menu or sets the selected value into the selected function
<UP>	Navigates upwards through the menu list or increases the value when in a function
<DOWN>	Navigates downwards through the menu list or decreases the value when in a function

Menu Map

Refer to the Rogue Outcast 2X Wash product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels			Description
Address	**001–512**			Sets the starting address
Run Mode	**DMX**	**56CH**	(Advanced Modes)	Selects the DMX personality
		55CH		
		54CH		
		33CH		
		23CH	(Basic Modes)	
		22CH		
		17CH		
		15CH		
		54MS	Media Server	
		33MS		
	Auto Test			Auto test all functions
	Manual Test	**Pan**	**0–255**	Manually control and test all settings through the control panel
		Tilt		
		Dimmer		
		Shutter		
		Red1		
		Green1		
		Blue1		
		White1		
		Red2		
		Green2		
		Blue2		
		White2		
		Red3		
		Green3		
		Blue3		
		White3		
		Red4		
		Green4		
		Blue4		
		White4		
		Red5		
		Green5		
		Blue5		
		White5		
		Zoom		

Main Level	Programming Levels			Description
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	260		260° tilt range
		180		180° tilt range
		90		90° tilt range
		230		230° tilt range
	Fans	Auto		Fan speed according to product temperature
		Full		Fan speed set on high
		ECO		Quiet mode
	Display	OFF		Display turns off
		ON		Display stays on
	Screen Reverse	OFF		Normal screen display
		ON		Inverted screen 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		
		2000Hz		
		4000Hz		
		6000Hz		
		15000Hz		
	LED R POWER	050–100		Sets red LED power
	LED G POWER	050–100		Sets green LED power
	LED B POWER	050–100		Sets blue LED power
	LED W POWER	050–100		Sets white LED power
	White Mode	On		Calibrates white to 7500K
		Off		Uses maximum output values
		Custom	RED 000–255	Sets red LED maximum value
			GREEN 000–255	Sets green LED maximum value
			BLUE 000–255	Sets blue LED maximum value
			WHITE 000–255	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 000–255	Sets green LED maximum value
			BLUE 000–255	Sets blue LED maximum value

Main Level	Programming Levels			Description
Setup (cont.)	USB Update	NO		Update firmware via USB C
		YES		
	Reset Function	Pan/Tilt	NO YES	Reset individual functions or all functions from start-up
		Zoom		
		All		
	Factory Settings	NO		Reset to factory default settings
		YES		
Sys Info	Ver	V_._ _ _ _ _ _		Shows firmware version
	Running Mode	_ _ _		Shows current running mode
	DMX Address	_ _ _		Shows current DMX address
	Temperature	_ _ _		Shows the product's temperature in °C
	Fixture Time	_ _ _ _		Shows time product has been on
	UID	_ _ _ _ _ _ _ _		Shows product UID
	Head Fan1–2	_ _ _ _ _		Shows speed of each fan
	Base Fan1–2	_ _ _ _ _		

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,**56CH**, **55CH, 54CH**, **33CH**, **23CH, 22CH**, **17CH**, **15CH**, **54MS**, or **33MS**.

- See the Starting Address section for the highest starting address that can be selected for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

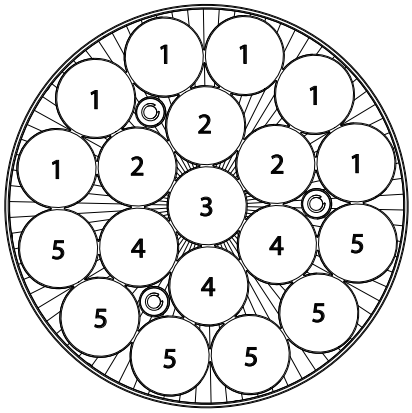
Starting Address

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 **56CH** is **457**.
   - The highest recommended starting address for **55CH** is **458.**
   - The highest recommended starting address for **54CH** is **459**.
   - The highest recommended starting address for **33CH** is **480**.
   - The highest recommended starting address for **23CH** is **490**.
   - The highest recommended starting address for **22CH** is **491**.
   - The highest recommended starting address for **17CH** is **496**.
   - The highest recommended starting address for **15CH** is **498**.
   - The highest recommended starting address for **54MS** is **459**.
   - The highest recommended starting address for **33MS** is **480**.

Control Channel Assignments and Values

Zones for DMX Control



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 100-0-100%, fast to slow
110 ⇔ 124	Random strobe, fast to slow	225 ⇔ 229	On
125 ⇔ 129	On	230 ⇔ 244	Random inverse pulse strobe, fast to slow
130 ⇔ 144	Random strobe 100-0%, fast to slow	245 ⇔ 255	On

Color Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 004	No function	070 ⇔ 074	Color 14	140 ⇔ 144	Color 28
005 ⇔ 009	Color 1	075 ⇔ 079	Color 15	145 ⇔ 149	Color 29
010 ⇔ 014	Color 2	080 ⇔ 084	Color 16	150 ⇔ 154	Color 30
015 ⇔ 019	Color 3	085 ⇔ 089	Color 17	155 ⇔ 159	Color 31
020 ⇔ 024	Color 4	090 ⇔ 094	Color 18	160 ⇔ 164	Color 32
025 ⇔ 029	Color 5	095 ⇔ 099	Color 19	165 ⇔ 169	Color 33
030 ⇔ 034	Color 6	100 ⇔ 104	Color 20	170 ⇔ 174	Color 34
035 ⇔ 039	Color 7	105 ⇔ 109	Color 21	175 ⇔ 179	No function
040 ⇔ 044	Color 8	110 ⇔ 114	Color 22	180 ⇔ 201	Color scroll, fast to slow
045 ⇔ 049	Color 9	115 ⇔ 119	Color 23	202 ⇔ 207	Hold
050 ⇔ 054	Color 10	120 ⇔ 124	Color 24	208 ⇔ 229	Reverse color scroll, fast to slow
055 ⇔ 059	Color 11	125 ⇔ 129	Color 25	230 ⇔ 234	No function
060 ⇔ 064	Color 12	130 ⇔ 134	Color 26	235 ⇔ 249	Color snap, fast to slow
065 ⇔ 069	Color 13	135 ⇔ 139	Color 27	250 ⇔ 255	No function

Zone Selection Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 007	Zone 1, 2, 3, 4, 5	088 ⇔ 095	Zone 5	176 ⇔ 183	Zone 2, 3, 4
008 ⇔ 015	Zone 1, 2, 3, 4	096 ⇔ 103	Zone 4	184 ⇔ 191	Zone 1, 2, 3
016 ⇔ 023	Zone 1, 2, 3	104 ⇔ 111	Zone 3	192 ⇔ 199	Zone 1, 2, 5
024 ⇔ 031	Zone 1, 2	112 ⇔ 119	Zone 2	200 ⇔ 207	Zone 1, 4, 5
032 ⇔ 039	Zone 1	120 ⇔ 127	Zone 1	208 ⇔ 215	Zone 2, 3, 4, 5
040 ⇔ 047	No zones	128 ⇔ 135	Zone 4, 5	216 ⇔ 223	Zone 1, 2, 3, 4
048 ⇔ 055	Zone 5	136 ⇔ 143	Zone 3, 4	224 ⇔ 231	Zone 1, 2, 3, 5
056 ⇔ 063	Zone 4, 5	144 ⇔ 151	Zone 2, 3	232 ⇔ 239	Zone 1, 2, 4, 5
064 ⇔ 071	Zone 3, 4, 5	152 ⇔ 159	Zone 1, 2	240 ⇔ 247	Zone 1, 3, 4, 5
072 ⇔ 079	Zone 2, 3, 4, 5	160 ⇔ 167	Zone 1, 5	248 ⇔ 255	Zone 1, 2, 3, 4, 5
080 ⇔ 087	Zone 1, 2, 3, 4, 5	168 ⇔ 175	Zone 3, 4, 5		

Programs Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 015	No function				
016 ⇔ 020	Zone program 1	096 ⇔ 100	Zone program 17	176 ⇔ 180	Color program 9
021 ⇔ 025	Zone program 2	101 ⇔ 105	Zone program 18	181 ⇔ 185	Color program 10
026 ⇔ 030	Zone program 3	106 ⇔ 110	Zone program 19	186 ⇔ 190	Color program 11
031 ⇔ 035	Zone program 4	111 ⇔ 115	Zone program 20	191 ⇔ 195	Color program 12
036 ⇔ 040	Zone program 5	116 ⇔ 120	Zone program 21	196 ⇔ 200	Color program 13
041 ⇔ 045	Zone program 6	121 ⇔ 125	Zone program 22	201 ⇔ 205	Color program 14
046 ⇔ 050	Zone program 7	126 ⇔ 130	Zone program 23	206 ⇔ 210	Color program 15
051 ⇔ 055	Zone program 8	131 ⇔ 135	Zone program 24	211 ⇔ 215	Color program 16
056 ⇔ 060	Zone program 9	136 ⇔ 140	Color program 1	216 ⇔ 220	Color program 17
061 ⇔ 065	Zone program 10	141 ⇔ 145	Color program 2	221 ⇔ 225	Color program 18
066 ⇔ 070	Zone program 11	146 ⇔ 150	Color program 3	226 ⇔ 230	Color program 19
071 ⇔ 075	Zone program 12	151 ⇔ 155	Color program 4	231 ⇔ 235	Color program 20
076 ⇔ 080	Zone program 13	156 ⇔ 160	Color program 5	236 ⇔ 240	Color program 21
081 ⇔ 085	Zone program 14	161 ⇔ 165	Color program 6	241 ⇔ 245	Color program 22
086 ⇔ 090	Zone program 15	166 ⇔ 170	Color program 7	246 ⇔ 250	Color program 23
091 ⇔ 095	Zone program 16	171 ⇔ 175	Color program 8	251 ⇔ 255	Color program 24

Control Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	110 ⇔ 114	Tilt range 90°	160 ⇔ 164	S-curve dimmer curve
010 ⇔ 014	Blackout on pan/tilt	115 ⇔ 119	Tilt range 230°	165 ⇔ 169	White mode
015 ⇔ 049	Reserved for future use	120 ⇔ 124	Fan mode ECO	170 ⇔ 174	Full mode
050 ⇔ 054	Reset pan	125 ⇔ 129	Fan mode Full	175 ⇔ 179	Color calibration off when single color
055 ⇔ 059	Reset tilt	130 ⇔ 134	Fan mode Auto		
060 ⇔ 064	Reset zoom	135 ⇔ 139	Fast dimmer	180 ⇔ 184	Color calibration on when single color
065 ⇔ 069	Reserved for future use	140 ⇔ 144	Smooth dimmer		
070 ⇔ 074	Reset all	145 ⇔ 149	Linear dimmer curve	185 ⇔ 239	No function
075 ⇔ 099	Reserved for future use	150 ⇔ 154	Square dimmer curve	240 ⇔ 247	Color calibration on
100 ⇔ 104	Tilt range 260°	155 ⇔ 159	Inverse square dimmer curve	248 ⇔ 250	Color calibration off
105 ⇔ 109	Tilt range 180°			251 ⇔ 255	No function

Advanced Modes

56CH / 55CH / 54CH / 33CH

33CH	54CH	55CH	56CH	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	Fast to slow
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
–	–	9	–	CTC	000 ⇔ 255	Color temperature, 10000–2800K
8	9	10	9	Red 1	000 ⇔ 255	0–100%
–	10	11	10	Fine red 1	000 ⇔ 255	Fine control (16-bit)
9	11	12	11	Green 1	000 ⇔ 255	0–100%
–	12	13	12	Fine green 1	000 ⇔ 255	Fine control (16-bit)
10	13	14	13	Blue 1	000 ⇔ 255	0–100%
–	14	15	14	Fine blue 1	000 ⇔ 255	Fine control (16-bit)
11	15	16	15	White 1	000 ⇔ 255	0–100%
–	16	17	16	Fine white 1	000 ⇔ 255	Fine control (16-bit)
12	17	18	17	Red 2	000 ⇔ 255	0–100%
–	18	19	18	Fine red 2	000 ⇔ 255	Fine control (16-bit)
13	19	20	19	Green 2	000 ⇔ 255	0–100%
–	20	21	20	Fine green 2	000 ⇔ 255	Fine control (16-bit)
14	21	22	21	Blue 2	000 ⇔ 255	0–100%
–	22	23	22	Fine blue 2	000 ⇔ 255	Fine control (16-bit)
15	23	24	23	White 2	000 ⇔ 255	0–100%
–	24	25	24	Fine white 2	000 ⇔ 255	Fine control (16-bit)
16	25	26	25	Red 3	000 ⇔ 255	0–100%
–	26	27	26	Fine red 3	000 ⇔ 255	Fine control (16-bit)
17	27	28	27	Green 3	000 ⇔ 255	0–100%
–	28	29	28	Fine green 3	000 ⇔ 255	Fine control (16-bit)
18	29	30	29	Blue 3	000 ⇔ 255	0–100%
–	30	31	30	Fine blue 3	000 ⇔ 255	Fine control (16-bit)
19	31	32	31	White 3	000 ⇔ 255	0–100%
–	32	33	32	Fine white 3	000 ⇔ 255	Fine control (16-bit)
20	33	34	33	Red 4	000 ⇔ 255	0–100%
–	34	35	34	Fine red 4	000 ⇔ 255	Fine control (16-bit)
21	35	36	35	Green 4	000 ⇔ 255	0–100%
–	36	37	36	Fine green 4	000 ⇔ 255	Fine control (16-bit)
22	37	38	37	Blue 4	000 ⇔ 255	0–100%
–	38	39	38	Fine blue 4	000 ⇔ 255	Fine control (16-bit)
23	39	40	39	White 4	000 ⇔ 255	0–100%
–	40	41	40	Fine white 4	000 ⇔ 255	Fine control (16-bit)
24	41	42	41	Red 5	000 ⇔ 255	0–100%
–	42	43	42	Fine red 5	000 ⇔ 255	Fine control (16-bit)
25	43	44	43	Green 5	000 ⇔ 255	0–100%
–	44	45	44	Fine green 5	000 ⇔ 255	Fine control (16-bit)

33CH	54CH	55CH	56CH	Function	Value	Percent/Setting
26	**45**	**46**	**45**	**Blue 5**	000 ⇔ 255	0–100%
–	**46**	**47**	**46**	**Fine blue 5**	000 ⇔ 255	Fine control (16-bit)
27	**47**	**48**	**47**	**White 5**	000 ⇔ 255	0–100%
–	**48**	**49**	**48**	**Fine white 5**	000 ⇔ 255	Fine control (16-bit)
28	**49**	**50**	**49**	**Color**	000 ⇔ 255	See Color Chart
29	**50**	**51**	**50**	**Zone Selection**	000 ⇔ 255	See Zone Selection Chart
30	**51**	**52**	**51**	**Programs**	000 ⇔ 255	See Programs Chart
31	**52**	**53**	**52**	**Program Speed**	000 ⇔ 255	0–100%
–	**–**	**–**	**53**	**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
–	**–**	**–**	**54**	**Movement macro speed**	000 ⇔ 255	Fast to slow
32	**53**	**54**	**55**	**Zoom**	000 ⇔ 255	0–100%
33	**54**	**55**	**56**	**Control**	000 ⇔ 255	See Control Chart

Basic Modes

23CH / 22Ch / 17CH / 15CH

15CH	17CH	22CH	23CH	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	Fast to slow
6	6	6	6	Dimmer	000 ⇔ 255	0–100%
7	–	7	7	Fine dimmer	000 ⇔ 255	Fine control (16-bit)
8	7	8	8	Strobe	000 ⇔ 255	See Strobe Chart
–	–	–	9	CTC	000 ⇔ 255	Color temperature, 10000– 2800K
9	8	9	10	Red	000 ⇔ 255	0–100%
–	–	10	11	Fine red	000 ⇔ 255	Fine control (16-bit)
10	9	11	12	Green	000 ⇔ 255	0–100%
–	–	12	13	Fine green	000 ⇔ 255	Fine control (16-bit)
11	10	13	14	Blue	000 ⇔ 255	0–100%
–	–	14	15	Fine blue	000 ⇔ 255	Fine control (16-bit)
12	11	15	16	White	000 ⇔ 255	0–100%
–	–	16	17	Fine white	000 ⇔ 255	Fine control (16-bit)
13	12	17	18	Color	000 ⇔ 255	See Color Chart
–	13	18	19	Zone Selection	000 ⇔ 255	See Zone Selection Chart
–	14	19	20	Programs	000 ⇔ 255	See Programs Chart
–	15	20	21	Program Speed	000 ⇔ 255	0–100%
14	16	21	22	Zoom	000 ⇔ 255	0–100%
15	17	22	23	Control	000 ⇔ 255	See Control Chart

MS Modes

54MS / 33MS

33MS	54MS	Function	Value	Percent/Setting
1	1	Pan	000 ⇔ 255	0–100%
2	2	Fine pan	000 ⇔ 255	Fine control (16-bit)
3	3	Tilt	000 ⇔ 255	0–100%
4	4	Fine tilt	000 ⇔ 255	Fine control (16-bit)
5	5	Pan/tilt speed	000 ⇔ 255	Fast to slow
6	6	Dimmer	000 ⇔ 255	0–100%
–	7	Fine dimmer	000 ⇔ 255	Fine control (16-bit)
7	8	Strobe	000 ⇔ 255	See Strobe Chart
8	9	Color	000 ⇔ 255	See Color Chart
9	10	Zone Selection	000 ⇔ 255	See Zone Selection Chart
10	11	Programs	000 ⇔ 255	See Programs Chart
11	12	Program Speed	000 ⇔ 255	0–100%
12	13	Zoom	000 ⇔ 255	0–100%
13	14	Control	000 ⇔ 255	See Control Chart
14	15	Red 1	000 ⇔ 255	0–100%
–	16	Fine red 1	000 ⇔ 255	Fine control (16-bit)
15	17	Green 1	000 ⇔ 255	0–100%
–	18	Fine green 1	000 ⇔ 255	Fine control (16-bit)
16	19	Blue 1	000 ⇔ 255	0–100%
–	20	Fine blue 1	000 ⇔ 255	Fine control (16-bit)
17	21	White 1	000 ⇔ 255	0–100%
–	22	Fine white 1	000 ⇔ 255	Fine control (16-bit)
18	23	Red 2	000 ⇔ 255	0–100%
–	24	Fine red 2	000 ⇔ 255	Fine control (16-bit)
19	25	Green 2	000 ⇔ 255	0–100%
–	26	Fine green 2	000 ⇔ 255	Fine control (16-bit)
20	27	Blue 2	000 ⇔ 255	0–100%
–	28	Fine blue 2	000 ⇔ 255	Fine control (16-bit)
21	29	White 2	000 ⇔ 255	0–100%
–	30	Fine white 2	000 ⇔ 255	Fine control (16-bit)
22	31	Red 3	000 ⇔ 255	0–100%
–	32	Fine red 3	000 ⇔ 255	Fine control (16-bit)
23	33	Green 3	000 ⇔ 255	0–100%
–	34	Fine green 3	000 ⇔ 255	Fine control (16-bit)
24	35	Blue 3	000 ⇔ 255	0–100%
–	36	Fine blue 3	000 ⇔ 255	Fine control (16-bit)
25	37	White 3	000 ⇔ 255	0–100%
–	38	Fine white 3	000 ⇔ 255	Fine control (16-bit)
26	39	Red 4	000 ⇔ 255	0–100%
–	40	Fine red 4	000 ⇔ 255	Fine control (16-bit)
27	41	Green 4	000 ⇔ 255	0–100%
–	42	Fine green 4	000 ⇔ 255	Fine control (16-bit)
28	43	Blue 4	000 ⇔ 255	0–100%
–	44	Fine blue 4	000 ⇔ 255	Fine control (16-bit)
29	45	White 4	000 ⇔ 255	0–100%

33MS	54MS	Function	Value	Percent/Setting
–	46	**Fine white 4**	000 ⇔ 255	Fine control (16-bit)
30	47	**Red 5**	000 ⇔ 255	0–100%
–	48	**Fine red 5**	000 ⇔ 255	Fine control (16-bit)
31	49	**Green 5**	000 ⇔ 255	0–100%
–	50	**Fine green 5**	000 ⇔ 255	Fine control (16-bit)
32	51	**Blue 5**	000 ⇔ 255	0–100%
–	52	**Fine blue 5**	000 ⇔ 255	Fine control (16-bit)
33	53	**White 5**	000 ⇔ 255	0–100%
–	54	**Fine white 5**	000 ⇔ 255	Fine control (16-bit)

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 **260** (260°), **180** (180°), or **90** (90°).

Fan Mode

To set the fan speed mode:

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

Display Backlight Timer

To set whether an inactive display will turn off:

1. Go to the **Setup** main level.
2. Select the **Display** option.
3. Select the length of the backlight timer, from **OFF** (will turn off) 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:

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

Pulse Width Modulation

To adjust the frequency of the pulse width modulation:

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**.

LED Power

To set the power of each LED color:

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

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**.

USB Update

To enable or disable software update using USB:

1. Go to the **Setup** main level.
2. Select the **USB Update** option.
3. Select **NO** (disables software update through USB) or **YES** (enables software update through USB).

See the USB Software Update section for the detailed instructions on how to update the Rogue Outcast 2X Wash software using a USB C connection.

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).