User Manual

COLORADO PXL BAR 8

Model ID: COLORADOPXLBAR8

CHAUVET PROFESSIONAL

Edition Notes

The COLORado PXL Bar 8 User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the COLORado PXL Bar 8 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

This COLORado PXL Bar 8 User Manual is the 3rd edition of this document. Go to www.chauvetprofessional.com for the latest version.

TABLE OF CONTENTS

1. Before You Begin

What Is Included

- COLORado PXL Bar 8
- Seetronic Powerkon IP65 power cord
- 2 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 your 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.

Manual Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
<SET>	A button on the product's control panel
Settings	A product function or a menu option

Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	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.

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.

Personal Safety

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

Mounting and Rigging

- Do not submerge this product (IP65). Temporary outdoor operation is fine.
- When using this product in an outdoor environment, use IP65 (or higher) rated power and data cables. Secure unused power and data ports with attached IP65 covers.
- CAUTION: When transferring 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 product to fully acclimate to the surrounding environment before connecting it to power.
- Not for permanent outdoor installation 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 the normal high or low temperatures exceed the temperature ranges in this manual.
  - Locations that are prone to flooding or being buried in snow.
  - Areas where the product will be subjected to extreme radiation or caustic substances.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Make sure there are no flammable materials close to the product when operating.
- When hanging this product, always secure to a fastening device using a safety cable.

Power and Wiring

- Always make sure you are connecting the product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- Never connect the product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this product if there is damage on the housing, lenses, or cables. Have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate the 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.
- In the event of a serious operation problem, stop using this product immediately!

If your Chauvet product requires service, contact Chauvet Technical Support.

FCC 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.

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

RF Exposure Warning for North America, and Australia

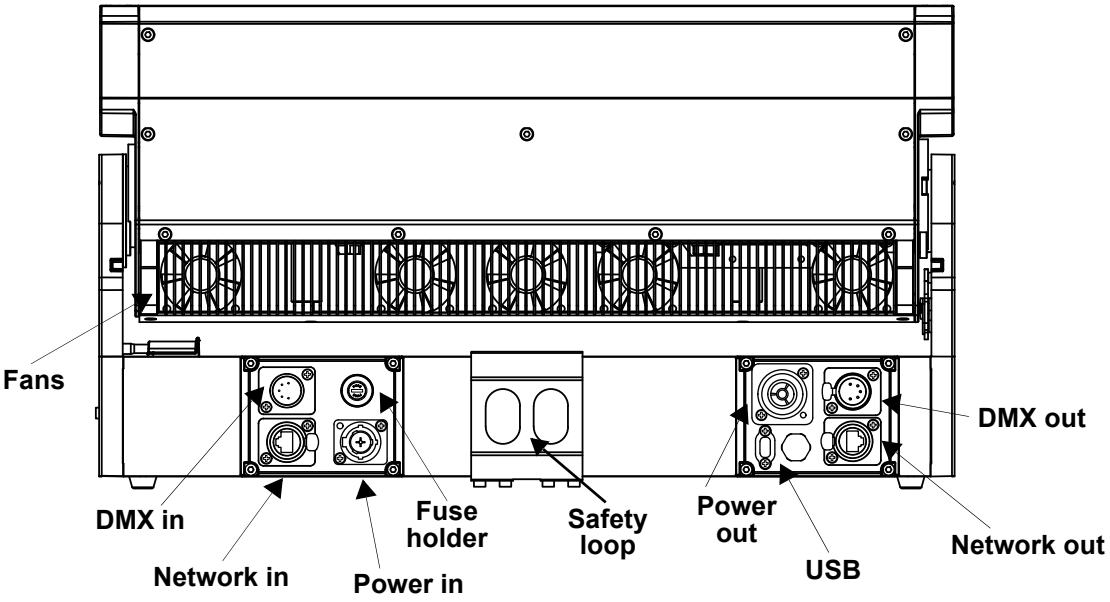
Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

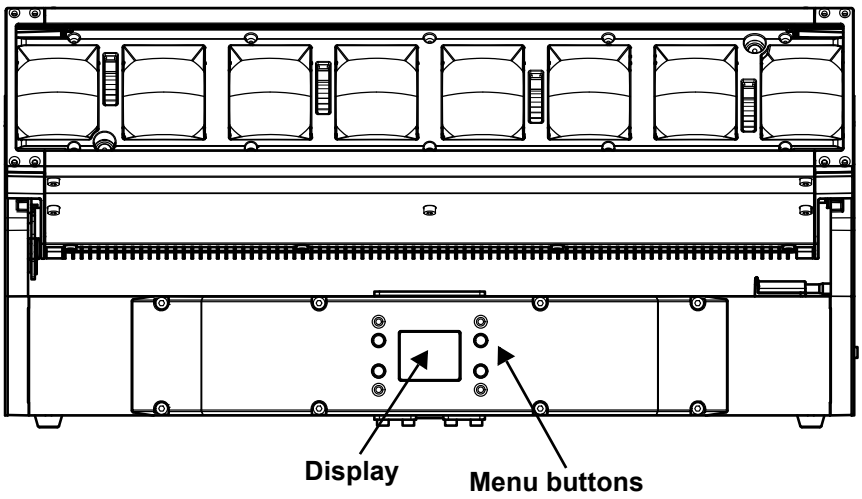
2. Introduction

Features

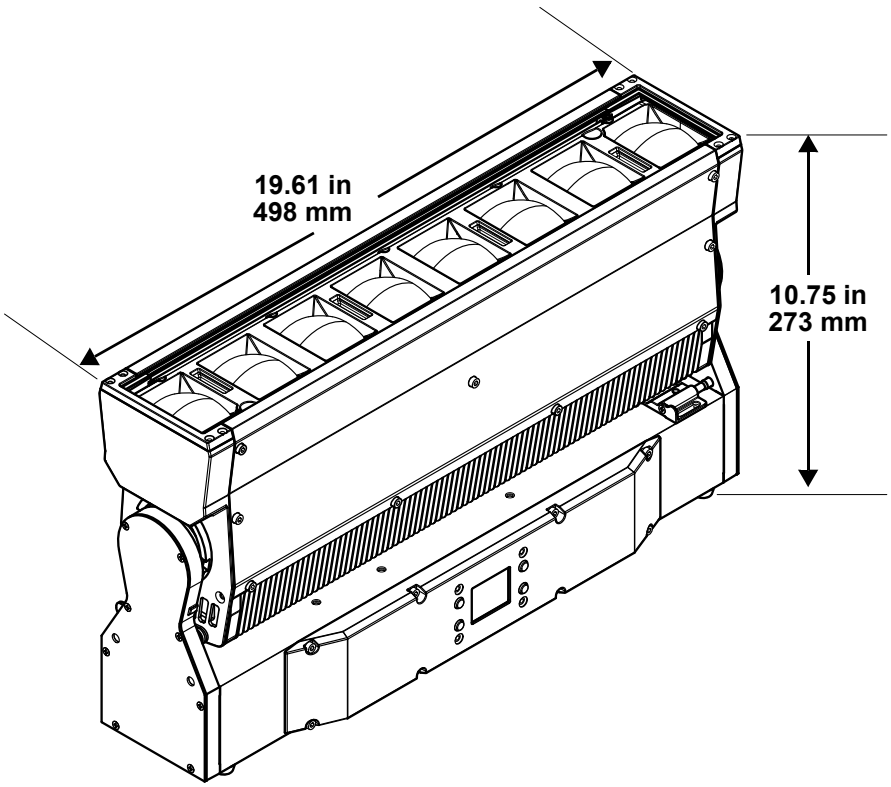
- IP65-rated motorized tilting batten with (8) 45W RGBW LEDs with a 3.5° to 47.3° zoom range maintains pixel pitch between fixtures
- Quiet and quick operation of 200° tilt and zoom
- Fully pixel mappable
- Several built-in effects, including virtual gobos and movement macros with foreground and background color control for easy pixel animation effects
- DMX, sACN, Art-Net, and Kling-Net control for full flexibility
- RDM enabled for remote addressing and troubleshooting
- 3.5° to 47.3° zoom range for variable beam sizes
- TRUE1-compatible power input/output ports
- IP65-rated 5-pin DMX and TCP/IP input/output ports
- IP65-rated USBc software upload port
- Slotted Omega brackets for easy hanging on truss

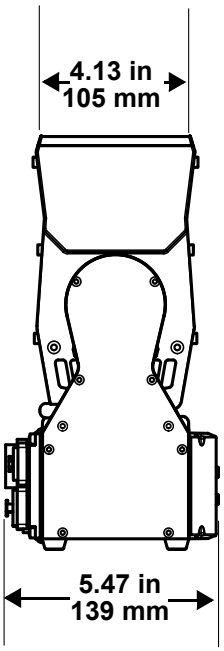
Product Overview





Product Dimensions





3. Setup

AC Power

Each COLORado PXL Bar 8 has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each COLORado PXL Bar 8, refer to the label affixed to the product. You can also refer to the Technical Specifications chart in this manual.
The listed current rating indicates the maximum current draw during normal operation. For more information, download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.

- **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 COLORado PXL Bar 8 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 that came with your product has no plug, or if you need the 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. You can power link up to 1 product at 100 V, 3 products at 120 V, 5 products at 208 V, and 6 products at 230 V and 240 V.
This product comes with a power input cord. Power-linking cables are available from Chauvet for purchase.

- **To preserve the IP65 rating and the warranty of this product, Seetronic Powerkon cables must be used.**
- **Insert the attached IP65-rated plugs into the corresponding power/data connections when not in use.**

DMX Linking

You can link the COLORado PXL Bar 8 to a DMX controller using a 5-pin DMX connection. If using other DMX-compatible products with this product, you can control each individually with a single DMX controller.

DMX Personalities

The COLORado PXL Bar 8 uses DMX, Art-Net™, sACN, and Kling-Net for its control personalities:

Single Mode	Dual Mode Movement	Dual Mode Pixels
Basic (19 channels)	**Basic** (7 channels)	**Basic** (24 channels)
Standard (51 channels)	**Standard** (19 channels)	**Standard** (32 channels)
Advanced (89 channels)	**Advanced** (25 channels)	**Advanced** (64 channels)
Tour (105 channels)	Uses DMX, Art-Net™, or sACN	Uses DMX, Art-Net™, sACN, or Kling-Net
Uses DMX, Art-Net™, or sACN		

If you are not familiar with or need more information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

Remote Device Management (RDM)

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 COLORado PXL Bar 8 supports RDM protocol that allows feedback to make changes to menu map options.

Master/Slave Connectivity

The Master/Slave mode allows an COLORado PXL Bar 8 (the master) to control one or more COLORado PXL Bar 8 products (the slaves) without a DMX controller. One COLORado PXL Bar 8 becomes the master when running an auto program, or by being in Static mode.
You must configure each slave's control panel to operate in Slave mode. During Master/Slave operation, the slaves will operate in unison with the master.

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

- **The Operation section of this manual provides detailed instructions on how to configure the master and slaves.**
- **If you are not familiar with or need more information about DMX standards, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.**

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

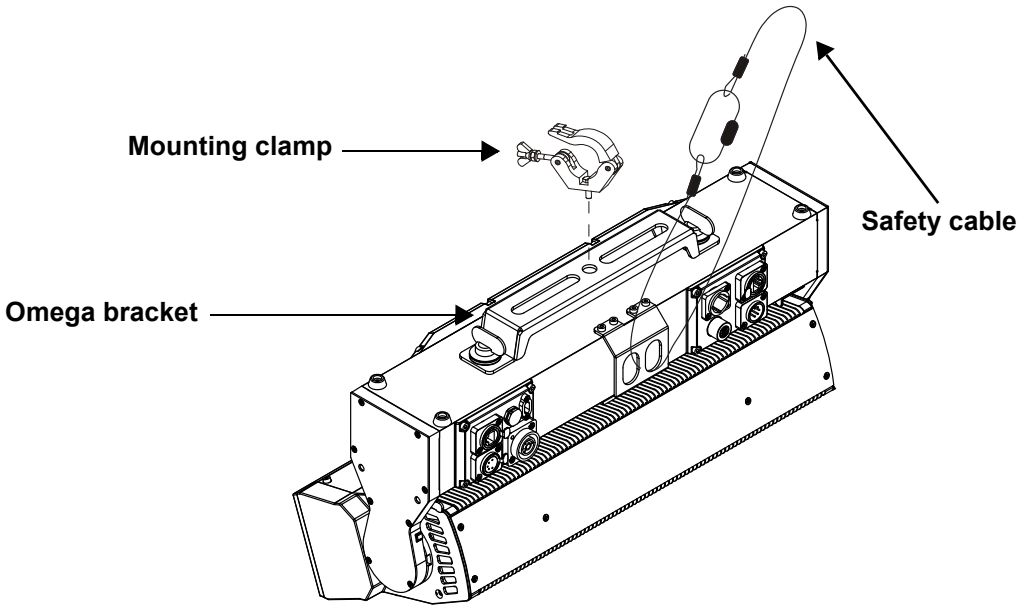
Chauvet recommends using the following general guidelines when mounting this product.

- 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.
- 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 COLORado PXL Bar 8 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 one mounting point per product. For the CHAUVET Professional line of mounting clamps, go to http://www.trusst.com/products.

Mounting Diagram



4. Operation

Control Panel Operation

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

Protocol Configuration

The COLORado PXL Bar 8 can be set to respond to DMX, Art-Net™, sACN, Kling-Net, or a combination of these protocols. The protocol configuration must be set for the product to respond correctly to the controller(s).

Control Personalities

The following control personalities are available on the COLORado PXL Bar 8:

Single Control Mode	Dual Control Mode Movement	Dual Control Mode Pixels
Basic (19 channels)	**Basic** (7 channels)	**Basic** (24 channels)
Standard (51 channels)	**Standard** (19 channels)	**Standard** (32 channels)
Advanced (89 channels)	**Advanced** (25 channels)	**Advanced** (64 channels)
Tour (105 channels)	Uses DMX, Art-Net™, or sACN	Uses DMX, Art-Net™, sACN, or Kling-Net
Uses DMX, Art-Net™, or sACN		

Single Control

In Single Control mode, the COLORado PXL Bar 8 is controlled by a single protocol input. Choose from DMX, Art-Net™, or sACN. In this mode, the four personalities available are: **Basic** (19 channels), **Standard** (51 channels), **Advanced** (89 channels), and **Tour** (105 channels).

Single Control Protocol

To select the Single Control protocol, follow the instructions below:

1. Go to the **Address** main level.
2. Select **Single Control**.
3. Choose from the following: **DMX**, **ArtNet**, or **sACN**.

Single Control Personality

To select the Single Control personality, do the following:

1. Set the protocol.
2. Select **Personality**.
3. Choose from the following: **Basic** (19 channels), **Standard** (51 channels), **Advanced** (89 channels), or **Tour** (105 channels).

Single Control Start Address

To set the starting address of the Single Control mode, follow the instructions below:

1. Set the protocol.
2. Select **Start Address**.
3. Set the desired starting address, from **0** to **512**.

Single Control Universe

To set the universe address of the Single Control mode when using Art-Net™ or sACN, do the following:

1. Set the protocol.
2. Select **Universe**.
3. Set the desired universe address, from **0** to **255**.

Dual Control

In Dual Control mode, the COLORado PXL Bar 8 is controlled by two protocol inputs: one controls the movement, zoom, dimmers, and shutters, whereas the other one controls the individual LED output.

Dual Control Movement

The Movement protocol controls the movement of the bar and zoom, and the dimmers and shutters. Choose from DMX, Art-Net™, or sACN. In this mode, the three personalities available are: **Basic** (7 channels), **Standard** (19 channels), and **Advanced** (25 channels).

Dual control movement protocol

To select the Dual Control Movement protocol, follow the instructions below:

1. Go to the **Address** main level.
2. Select **Dual Control**.
3. Select **Movement**.
4. Choose from the following: **DMX**, **ArtNet**, or **sACN**.

Dual control movement personality

To select the Dual Control Movement personality, do the following:

1. Set the protocol.
2. Select **Personality**.
3. Choose from the following: **Basic** (7 channels), **Standard** (19 channels), or **Advanced** (25 channels).

Dual control movement start address

To set the starting address of the Dual Control Movement mode, follow the instructions below:

1. Set the protocol.
2. Select **Start Address**.
3. Set the desired starting address, from **0** to **512**.

Dual control movement universe

To set the universe address of the Dual Control Movement mode when using Art-Net™ or sACN, do the following:

1. Set the protocol.
2. Select **Universe**.
3. Set the desired universe address, from **0** to **255**.

Dual Control Pixels

The Pixels protocol controls the individual output of the LEDs. Choose from DMX, Art-Net™, sACN, or Kling-Net. In this mode, the three personalities available are: **Basic** (24 channels), **Standard** (32 channels), and **Advanced** (64 channels).

Dual control pixels protocol

To select the Dual Control Pixels protocol, follow the instructions below:

1. Go to the **Address** main level.
2. Select **Dual Control**.
3. Select **Pixels**.
4. Choose from the following: **DMX**, **ArtNet**, **sACN**, or **Kling-Net**.

Dual control pixels personality

To select the Dual Control Pixels personality, do the following:

1. Set the protocol.
2. Select **Personality**.
3. Choose from the following: **Basic** (24 channels), **Standard** (32 channels), or **Advanced** (64 channels).

Dual control movement start address

To set the starting address of the Dual Control Pixels mode, follow the instructions below:

1. Set the protocol.
2. Select **Start Address**.
3. Set the desired starting address, from **0** to **512**.

Dual control movement universe

To set the universe address of the Dual Control Pixels mode when using Art-Net™ or sACN, do the following:

1. Set the protocol.
2. Select **Universe**.
3. Set the desired universe address, from **0** to **255**.

Menu Map

Refer to the COLORado PXL Bar 8 product page on www.chauvetprofessional.com for the latest menu map.

Programming Levels					Description
Address					**Address Main Level**
Address	**Single Control**	**DMX**	**Personality**	**Basic**	Sets the DMX personality (see Control Personalities)
				Standard	
				Advanced	
				Tour	
			Start Address	**0–512**	Sets the DMX starting address
		ArtNet	**Personality**	**Basic**	Sets the Art-Net™ personality (see Control Personalities)
				Standard	
				Advanced	
				Tour	
			Start Address	**0–512**	Sets the Art-Net™ starting address
			Universe	**0–255**	Sets the Art-Net™ universe
		sACN	**Personality**	**Basic**	Sets the sACN personality (see Control Personalities)
				Standard	
				Advanced	
				Tour	
			Start Address	**0–512**	Sets the sACN starting address
			Universe	**0–255**	Sets the sACN universe
	Dual Control	**Movement**	**DMX**	**Personality**	**Basic**	Sets the DMX personality (see Control Personalities)
					Standard	
					Advanced	
				Start Address	**0–512**	Sets the DMX starting address
			ArtNet	**Personality**	**Basic**	Sets the Art-Net™ personality (see Control Personalities)
					Standard	
					Advanced	
				Start Address	**0–512**	Sets the Art-Net™ starting address
				Universe	**0–255**	Sets the Art-Net™ universe
			sACN	**Personality**	**Basic**	Sets the sACN personality (see Control Personalities)
					Standard	
					Advanced	
				Start Address	**0–512**	Sets the sACN starting address
				Universe	**0–255**	Sets the sACN universe
		Pixels	**DMX**	**Personality**	**Basic**	Sets the DMX personality (see Control Personalities)
					Standard	
					Advanced	
				Start Address	**0–512**	Sets the DMX starting address
			ArtNet	**Personality**	**Basic**	Sets the Art-Net™ personality (see Control Personalities)
					Standard	
					Advanced	
				Start Address	**0–512**	Sets the Art-Net™ starting address
				Universe	**0–255**	Sets the Art-Net™ universe
			sACN	**Personality**	**Basic**	Sets the sACN personality (see Control Personalities)
					Standard	
					Advanced	
				Start Address	**0–512**	Sets the sACN starting address
				Universe	**0–255**	Sets the sACN universe
			KlingNet	**Personality**	**Basic**	Sets the Kling-Net personality (see Control Personalities)
					Standard	

Main Level	Programming Levels			Description
Run Mode	Auto Test			Auto test all functions
	Manual Test	Tilt	000–255	Manually control and test all settings through the control panel
		P/T Speed		
		Red		
		Green		
		Blue		
		White		
		CTC		
		Color		
		Pattern		
		LED Macro		
		LED Ma. Speed		
		LED Ma. Fade		
		Background		
		Background Dim.		
		Dimmer		
		Shutter		
		Function		
		Zoom1		
		Zoom2		
Setup	Network Settings	IP Mode	Manual	Manually sets IP address
			DHCP	Network sets IP address
			Static	Product sets IP address
		IP / IP Byte 1–4	000–255	Sets IP address in manual mode
		SMK / SubMask 1–4	000–255	Sets Subnet Mask in manual mode
	Tilt Reverse	NO		Normal tilt
		YES		Reversed tilt
	Zoom Reverse	NO		Normal zoom
		YES		Reversed zoom
	Screen Reverse	NO		Normal display
		YES		Inverted display
		AUTO		Automatic display orientation
	Tilt Angle	200		200° tilt range
		180		180° tilt range
		60		60° tilt range
	BL. O. T Move	NO		Do not blackout while tilt
		YES		Blackout while tilt
	Backlight Timer	30S		Display turns off after 30 seconds
		1M		Display turns off after 1 minute
		5M		Display turns off after 5 minutes
		ON		Display stays on
	Loss of Data	Hold		Holds last signal received
		Close		Blacks out fixture
	Fans	Auto		Fan speed according to product temperature
		Full		Fan speed set on high
		ECO		Quiet mode
	Defrost Fan	OFF		Activate defrost fan
		ON		Deactivate defrost fan
	C Mixing Mode	RGBW		RGBW mode (additive)
		CMY		CMY mode (subtractive)
	Dimmer Curve	Linear Square I Squa SCurve		Set the dimmer curve
	Dimmer Speed	Smooth Fast		Set the dimmer speed

Main Level	Programming Levels			Description
Setup	PWM Option	600Hz 1200Hz 2000Hz 4000Hz 6000Hz 15000Hz		Sets the Pulse Width Modulation frequency
	Cell Order	1–8		Light activates from left to right
		8–1		Light activates from right to left
	Calibrated White	ON		Default light output temperature set to 7500K
		OFF		Deactivates calibrated white setting
		Custom		Adjusts light output temperature using White Balance setting
	White Balance	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
	Preset Select	PRESET A PRESET B PRESET C		Recorded preset menu options
	Preset Sync	NO		Allows recorded preset menu options to be transferred to other COLORado PXL Bar 8 in the DMX daisy chain
		YES		
	USB Update	NO		Enables/disables updating by USB
		YES		
	Reset Function	Tilt	NO	Reset individual functions or all functions from startup
			YES	
		Zoom	NO	
			YES	
		All	NO	
			YES	
	Factory Settings	NO		Reset to factory default settings
		YES		
Information	Firmware Version		V_	Shows firmware version
	Running Mode		_ _ _	Shows current running mode
	Address		_ _ _	Shows current starting address
	Temperature		_ _ _	Shows current product temperature in °C
	Fixture Time		_ _ _ _ _	Shows number of hours product has been powered on
	LED Hours		_ _ _ _ _	Shows total hours the LED has been powered on
	ArtNet Info	Ip	_ _ _._ _ _._ _ _._ _ _	Shows current IP address
		SubMask	_ _ _._ _ _._ _ _._ _ _	Shows current Subnet Mask
		MAC	_ _._ _._ _._ _._ _._ _	Shows current MAC address
	Device UID		_ _ _ _ _	Shows product UID
	Fan Information	Head Fan 1–5	_ _ _ _	Shows speed of head fans 1–5 in rpm
		Defrost Fan 1	_ _ _ _	Shows speed of defrost fan in rpm
		Base Fan 1	_ _ _ _	Shows speed of base fan in rpm

DMX Values

Single Control: Basic Mode (19CH)

Channel	Function	Value	Percent/Setting
1	**Tilt**	000 ⇔ 255	0–100%
2	**Fine tilt**	000 ⇔ 255	0–100%
3	**Tilt speed**	000 ⇔ 255	0–100%
4	**CTC**	000 001 ⇔ 255	No function Color temperature, 1900–2700 K
5	**Color**	000 ⇔ 255	see Color Chart
6	**Patterns** (see Patterns)	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 No function
7	**LED macro**	000 ⇔ 255	see LED Macro
8	**LED macro speed**	000 ⇔ 127 128 129 ⇔ 255	Auto speed, fast to slow clockwise Stop Auto speed, slow to fast counterclockwise
9	**LED macro delay**	000 ⇔ 255	Fast to slow
10	**Background color**	000 ⇔ 255	see Color Chart
11	**Background color dimmer**	000 ⇔ 255	0–100%
12	**Dimmer**	000 ⇔ 255	0–100%
13	**Strobe**	000 ⇔ 255	see Strobe Settings
14	**Zoom**	000 ⇔ 255	Zoom in to zoom out
15	**Control**	000 ⇔ 255	see Control Settings
16	**Red**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	**Green**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	**Blue**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	**White**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

The “Single Control: Basic” personality of COLORado PXL Bar 8 exactly matches the “Single Control: Basic2” personality of the COLORado PXL Bar 16.

Single Control: Standard Mode (51CH)

Channel	Function	Value	Percent/Setting
1	**Tilt**	000 ⇔ 255	0–100%
2	**Fine tilt**	000 ⇔ 255	0–100%
3	**Tilt speed**	000 ⇔ 255	0–100%
4	**CTC**	000 001 ⇔ 255	No function Color temperature, 1900–2700 K
5	**Color**	000 ⇔ 255	see Color Chart
6	**Patterns** (see Patterns)	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 No function
7	**LED macro**	000 ⇔ 255	see LED Macro
8	**LED macro speed**	000 ⇔ 127 128 129 ⇔ 255	Auto speed, fast to slow clockwise Stop Auto speed, slow to fast counterclockwise
9	**LED macro delay**	000 ⇔ 255	Fast to slow
10	**Background color**	000 ⇔ 255	see Color Chart
11	**Background color dimmer**	000 ⇔ 255	0–100%
12	**Dimmer**	000 ⇔ 255	0–100%
13	**Strobe**	000 ⇔ 255	see Strobe Settings

Channel	Function		Value	Percent/Setting
14	Zoom		000 ⇔ 255	Zoom in to zoom out
15	Control		000 ⇔ 255	see Control Settings
16	Main red		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Main green		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Main blue		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Main white		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	White 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
27	White 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	White 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
33	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	White 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
37	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
38	Blue 5	Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
39	White 5		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
40	Red 6	Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
41	Green 6	Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
42	Blue 6	Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
43	White 6		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
44	Red 7	Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
45	Green 7	Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
46	Blue 7	Yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
47	White 7		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
48	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
49	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
50	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	White 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Single Control: Advanced Mode (89CH)

Channel	Function		Value	Percent/Setting
1	**Tilt**		000 ⇔ 255	0–100%
2	**Fine tilt**		000 ⇔ 255	0–100%
3	**Tilt speed**		000 ⇔ 255	0–100%
4	**CTC**		000 001 ⇔ 255	No function Color temperature, 1900–2700 K
5	**Color**		000 ⇔ 255	see Color Chart
6	**Patterns** (see Patterns)		000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 No function
7	**LED macro**		000 ⇔ 255	see LED Macro
8	**LED macro speed**		000 ⇔ 127 128 129 ⇔ 255	Auto speed, fast to slow clockwise Stop Auto speed, slow to fast counterclockwise
9	**LED macro delay**		000 ⇔ 255	Fast to slow
10	**Background color**		000 ⇔ 255	see Color Chart
11	**Background color dimmer**		000 ⇔ 255	0–100%
12	**Background color fine dimmer**		000 ⇔ 255	0–100%
13	**Dimmer**		000 ⇔ 255	0–100%
14	**Fine dimmer**		000 ⇔ 255	0–100%
15	**Strobe**		000 ⇔ 255	see Strobe Settings
16	**Zoom**		000 ⇔ 255	Zoom in to zoom out
17	**Control**		000 ⇔ 255	see Control Settings
18	**Main red**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	**Main fine red**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	**Main green**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	**Main fine green**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	**Main blue**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	**Main fine blue**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	**Main white**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	**Main fine white**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	**Red 1**	**Cyan 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
27	**Fine red 1**	**Fine cyan 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	**Green 1**	**Magenta 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	**Fine green 1**	**Fine magenta 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	**Blue 1**	**Yellow 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	**Fine blue 1**	**Fine yellow 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	**White 1**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
33	**Fine white 1**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	**Red 2**	**Cyan 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	**Fine red 2**	**Fine cyan 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	**Green 2**	**Magenta 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
37	**Fine green 2**	**Fine magenta 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
38	**Blue 2**	**Yellow 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
39	**Fine blue 2**	**Fine yellow 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
40	**White 2**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
41	**Fine white 2**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
42	**Red 3**	**Cyan 3**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
43	**Fine red 3**	**Fine cyan 3**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
44	**Green 3**	**Magenta 3**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
45	**Fine green 3**	**Fine magenta 3**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Channel	Function		Value	Percent/Setting
46	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
47	Fine blue 3	Fine yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
48	White 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
49	Fine white 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
50	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	Fine red 4	Fine cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
52	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	Fine green 4	Fine magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
54	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	Fine blue 4	Fine yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	White 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Fine white 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Fine red 5	Fine cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
61	Fine green 5	Fine magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	Blue 5	Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Fine blue 5	Fine yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	White 5		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
65	Fine white 5		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
66	Red 6	Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
67	Fine red 6	Fine cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
68	Green 6	Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
69	Fine green 6	Fine magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
70	Blue 6	Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
71	Fine blue 6	Fine yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
72	White 6		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
73	Fine white 6		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	Red 7	Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
75	Fine red 7	Fine cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
76	Green 7	Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
77	Fine green 7	Fine magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
78	Blue 7	Yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
79	Fine blue 7	Fine yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
80	White 7		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
81	Fine white 7		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
82	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
83	Fine red 8	Fine cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
84	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
85	Fine green 8	Fine magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
86	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
87	Fine blue 8	Fine yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
88	White 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
89	Fine white 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Single Control: Tour Mode (105CH)

Channel	Function		Value	Percent/Setting
1	**Tilt**		000 ⇔ 255	0–100%
2	**Fine tilt**		000 ⇔ 255	0–100%
3	**Tilt speed**		000 ⇔ 255	0–100%
4	**CTC**		000 001 ⇔ 255	No function Color temperature, 1900–2700 K
5	**Color**		000 ⇔ 255	see Color Chart
6	**Patterns** (see Patterns)		000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 No function
7	**LED macro**		000 ⇔ 255	see LED Macro
8	**LED macro speed**		000 ⇔ 127 128 129 ⇔ 255	Auto speed, fast to slow clockwise Stop Auto speed, slow to fast counterclockwise
9	**LED macro delay**		000 ⇔ 255	Fast to slow
10	**Background color**		000 ⇔ 255	see Color Chart
11	**Background color dimmer**		000 ⇔ 255	0–100%
12	**Background color fine dimmer**		000 ⇔ 255	0–100%
13	**Dimmer**		000 ⇔ 255	0–100%
14	**Fine dimmer**		000 ⇔ 255	0–100%
15	**Strobe**		000 ⇔ 255	see Strobe Settings
16	**Zoom**		000 ⇔ 255	Zoom in to zoom out
17	**Control**		000 ⇔ 255	see Control Settings
18	**Main red**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	**Main fine red**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	**Main green**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	**Main fine green**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	**Main blue**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	**Main fine blue**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	**Main white**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	**Main fine white**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	**Dimmer 1**		000 ⇔ 255	0–100%
27	**Fine dimmer 1**		000 ⇔ 255	0–100%
28	**Red 1**	**Cyan 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	**Fine red 1**	**Fine cyan 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	**Green 1**	**Magenta 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	**Fine green 1**	**Fine magenta 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	**Blue 1**	**Yellow 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
33	**Fine blue 1**	**Fine yellow 1**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	**White 1**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	**Fine white 1**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	**Dimmer 2**		000 ⇔ 255	0–100%
37	**Fine dimmer 2**		000 ⇔ 255	0–100%
38	**Red 2**	**Cyan 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
39	**Fine red 2**	**Fine cyan 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
40	**Green 2**	**Magenta 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
41	**Fine green 2**	**Fine magenta 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
42	**Blue 2**	**Yellow 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
43	**Fine blue 2**	**Fine yellow 2**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
44	**White 2**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
45	**Fine white 2**		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

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

Channel	Function		Value	Percent/Setting
97	Fine dimmer 8		000 ⇔ 255	0–100%
98	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
99	Fine red 8	Fine cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
100	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
101	Fine green 8	Fine magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
102	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
103	Fine blue 8	Fine yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
104	White 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
105	Fine white 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Dual Control Movement: Basic (7CH)

Channel	Function	Value	Percent/Setting
1	Tilt	000 ⇔ 255	0–100%
2	Fine tilt	000 ⇔ 255	0–100%
3	Tilt speed	000 ⇔ 255	0–100%
4	Dimmer	000 ⇔ 255	0–100%
5	Strobe	000 ⇔ 255	see Strobe Settings
6	Zoom	000 ⇔ 255	Zoom in to zoom out
7	Control	000 ⇔ 255	see Control Settings

The “Dual Control Movement: Basic” personality of COLORado PXL Bar 8 exactly matches the “Dual Control Movement: Basic2” personality of the COLORado PXL Bar 16.

Dual Control Movement: Standard (19CH)

Channel	Function	Value	Percent/Setting
1	Tilt	000 ⇔ 255	0–100%
2	Fine tilt	000 ⇔ 255	0–100%
3	Tilt speed	000 ⇔ 255	0–100%
4	CTC	000 001 ⇔ 255	No function Color temperature, 1900–2700 K
5	Color	000 ⇔ 255	see Color Chart
6	Patterns (see Patterns)	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 No function
7	LED macro	000 ⇔ 255	see LED Macro
8	LED macro speed	000 ⇔ 127 128 129 ⇔ 255	Auto speed, fast to slow clockwise Stop Auto speed, slow to fast counterclockwise
9	LED macro delay	000 ⇔ 255	Fast to slow
10	Background color	000 ⇔ 255	see Color Chart
11	Background color dimmer	000 ⇔ 255	0–100%
12	Dimmer	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 255	see Strobe Settings
14	Zoom	000 ⇔ 255	Zoom in to zoom out
15	Control	000 ⇔ 255	see Control Settings
16	Red	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Green	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Blue	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	White	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Dual Control Movement: Advanced (25CH)

Channel	Function	Value	Percent/Setting
1	**Tilt**	000 ⇔ 255	0–100%
2	**Fine tilt**	000 ⇔ 255	0–100%
3	**Tilt speed**	000 ⇔ 255	0–100%
4	**CTC**	000 001 ⇔ 255	No function Color temperature, 1900–2700 K
5	**Color**	000 ⇔ 255	see Color Chart
6	**Patterns** (see Patterns)	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 No function
7	**LED macro**	000 ⇔ 255	see LED Macro
8	**LED macro speed**	000 ⇔ 127 128 129 ⇔ 255	Auto speed, fast to slow clockwise Stop Auto speed, slow to fast counterclockwise
9	**LED macro delay**	000 ⇔ 255	Fast to slow
10	**Background color**	000 ⇔ 255	see Color Chart
11	**Background color dimmer**	000 ⇔ 255	0–100%
12	**Background color fine dimmer**	000 ⇔ 255	0–100%
13	**Dimmer**	000 ⇔ 255	0–100%
14	**Fine dimmer**	000 ⇔ 255	0–100%
15	**Strobe**	000 ⇔ 255	see Strobe Settings
16	**Zoom**	000 ⇔ 255	Zoom in to zoom out
17	**Control**	000 ⇔ 255	see Control Settings
18	**Red**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	**Fine red**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	**Green**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	**Fine green**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	**Blue**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	**Fine blue**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	**White**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	**Fine white**	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Dual Control Pixels: Basic (24CH)

Channel	Function		Value	Percent/Setting
1	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
5	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
6	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
7	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
8	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
9	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
10	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
11	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
12	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
13	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
14	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
15	Blue 5	Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
16	Red 6	Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Green 6	Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Blue 6	Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Red 7	Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	Green 7	Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	Blue 7	Yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Dual Control Pixels: Standard (32CH)

Channel	Function		Value	Percent/Setting
1	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	White 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
5	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
6	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
7	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
8	White 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
9	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
10	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
11	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
12	White 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
13	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
14	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
15	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
16	White 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Blue 5	Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	White 5		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	Red 6	Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	Green 6	Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	Blue 6	Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Channel	Function		Value	Percent/Setting
24	White 6		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	Red 7	Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	Green 7	Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
27	Blue 7	Yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	White 7		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	White 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Dual Control Pixels: Advanced (64CH)

Channel	Function		Value	Percent/Setting
1	Red 1	Cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Fine red 1	Fine cyan 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Green 1	Magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	Fine green 1	Fine magenta 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
5	Blue 1	Yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
6	Fine blue 1	Fine yellow 1	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
7	White 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
8	Fine white 1		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
9	Red 2	Cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
10	Fine red 2	Fine cyan 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
11	Green 2	Magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
12	Fine green 2	Fine magenta 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
13	Blue 2	Yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
14	Fine blue 2	Fine yellow 2	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
15	White 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
16	Fine white 2		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	Red 3	Cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Fine red 3	Fine cyan 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Green 3	Magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
20	Fine green 3	Fine magenta 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
21	Blue 3	Yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
22	Fine blue 3	Fine yellow 3	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
23	White 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
24	Fine white 3		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
25	Red 4	Cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
26	Fine red 4	Fine cyan 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
27	Green 4	Magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	Fine green 4	Fine magenta 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	Blue 4	Yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	Fine blue 4	Fine yellow 4	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	White 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	Fine white 4		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
33	Red 5	Cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	Fine red 5	Fine cyan 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	Green 5	Magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	Fine green 5	Fine magenta 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
37	Blue 5	Yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
38	Fine blue 5	Fine yellow 5	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
39	White 5		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Channel	Function		Value	Percent/Setting
40	Fine white 5		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
41	Red 6	Cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
42	Fine red 6	Fine cyan 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
43	Green 6	Magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
44	Fine green 6	Fine magenta 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
45	Blue 6	Yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
46	Fine blue 6	Fine yellow 6	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
47	White 6		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
48	Fine white 6		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
49	Red 7	Cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
50	Fine red 7	Fine cyan 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	Green 7	Magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
52	Fine green 7	Fine magenta 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	Blue 7	Yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
54	Fine blue 7	Fine yellow 7	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	White 7		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Fine white 7		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Red 8	Cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Fine red 8	Fine cyan 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Green 8	Magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Fine green 8	Fine magenta 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
61	Blue 8	Yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	Fine blue 8	Fine yellow 8	000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	White 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	Fine white 8		000 ⇔ 255	RGBW Mode: 0–100% / CMY Mode: 100–0%

Color Chart

Value	Percent/Setting				
000	No function				
001 ⇔ 002	White 2700K	R = 156	G = 118	B = 0	W = 63
003 ⇔ 004	White 3200K	R = 156	G = 141	B = 5	W = 89
005 ⇔ 006	White 4200K	R = 156	G = 141	B = 14	W = 255
007 ⇔ 008	White 5600K	R = 156	G = 207	B = 54	W = 255
009 ⇔ 010	White 8000K	R = 130	G = 255	B = 96	W = 255
011	Blue	R = 0	G = 0	B = 255	W = 0
012 ⇔ 048	+ Green	R = 0	G = 0–255	B = 255	W = 0
049	Cyan	R = 0	G = 255	B = 255	W = 0
050 ⇔ 086	- Blue	R = 0	G = 255	B = 255–0	W = 0
087	Green	R = 0	G = 255	B = 0	W = 0
088 ⇔ 124	+ Red	R = 0–255	G = 255	B = 0	W = 0
125	Yellow	R = 255	G = 255	B = 0	W = 0
126 ⇔ 162	- Green	R = 255	G = 255–0	B = 0	W = 0
163	Red	R = 255	G = 0	B = 0	W = 0
164 ⇔ 200	+ Blue	R = 255	G = 0	B = 0–255	W = 0
201	Magenta	R = 255	G = 0	B = 255	W = 0
202 ⇔ 238	- Red	R = 255–0	G = 0	B = 255	W = 0
239	Blue	R = 0	G = 0	B = 255	W = 0
240 ⇔ 247	Color fade, fast to slow				
248 ⇔ 255	Color snap, fast to slow				

Strobe Settings

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**	Random pulse strobe, fast to slow
130 ⇔ 144	Random strobe 100–0%, fast to slow	**245 ⇔ 255**	On

Control Settings

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	**095 ⇔ 099**	Reserved for future use
010 ⇔ 014	Blackout on tilt	**100 ⇔ 104**	Tilt reverse disable
015 ⇔ 019	Reserved for future use	**105 ⇔ 119**	Reserved for future use
020 ⇔ 024	RGBW (additive) color-mixing mode	**120 ⇔ 124**	Fan ECO
025 ⇔ 029	CMY (subtractive) color-mixing mode	**125 ⇔ 129**	Fan full
030 ⇔ 039	Reserved for future use	**130 ⇔ 134**	Fan auto
040 ⇔ 044	Defrost fan on	**135 ⇔ 139**	Dimmer fast
045 ⇔ 049	Defrost fan off	**140 ⇔ 144**	Dimmer smooth
050 ⇔ 054	Reserved for future use	**145 ⇔ 149**	Linear
055 ⇔ 059	Tilt reset	**150 ⇔ 154**	Square
060 ⇔ 064	Zoom reset	**155 ⇔ 159**	i Squa
065 ⇔ 069	Reserved for future use	**160 ⇔ 164**	SCurve
070 ⇔ 074	Reset all	**165 ⇔ 169**	White mode
075 ⇔ 089	Reserved for future use	**170 ⇔ 174**	Full mode
090 ⇔ 094	Tilt reverse	**175 ⇔ 255**	Reserved for future use

LED Macro

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 015	No function	**136 ⇔ 137**	Auto color macro 38
016 ⇔ 017	Color-controllable macro 1	**138 ⇔ 139**	Auto color macro 39
018 ⇔ 019	Color-controllable macro 2	**140 ⇔ 141**	Auto color macro 40
020 ⇔ 021	Color-controllable macro 3	**142 ⇔ 143**	Auto color macro 41
022 ⇔ 023	Color-controllable macro 4	**144 ⇔ 145**	Auto color macro 42
024 ⇔ 025	Color-controllable macro 5	**146 ⇔ 147**	Auto color macro 43
026 ⇔ 027	Color-controllable macro 6	**148 ⇔ 149**	Auto color macro 44
028 ⇔ 029	Color-controllable macro 7	**150 ⇔ 151**	Auto color macro 45
030 ⇔ 031	Color-controllable macro 8	**152 ⇔ 153**	Auto color macro 46
032 ⇔ 033	Color-controllable macro 9	**154 ⇔ 155**	Auto color macro 47
034 ⇔ 035	Color-controllable macro 10	**156 ⇔ 157**	Auto color macro 48
036 ⇔ 037	Color-controllable macro 11	**158 ⇔ 159**	Auto color macro 49
038 ⇔ 039	Color-controllable macro 12	**160 ⇔ 161**	Auto color macro 50
040 ⇔ 041	Color-controllable macro 13	**162 ⇔ 163**	Auto color macro 51
042 ⇔ 043	Color-controllable macro 14	**164 ⇔ 165**	Auto color macro 52
044 ⇔ 045	Color-controllable macro 15	**166 ⇔ 167**	Auto color macro 53
046 ⇔ 047	Color-controllable macro 16	**168 ⇔ 169**	Auto color macro 54
048 ⇔ 049	Color-controllable macro 17	**170 ⇔ 171**	Auto color macro 55
050 ⇔ 051	Color-controllable macro 18	**172 ⇔ 173**	Auto color macro 56
052 ⇔ 053	Color-controllable macro 19	**174 ⇔ 175**	Auto color macro 57
054 ⇔ 055	Color-controllable macro 20	**176 ⇔ 177**	Auto color macro 58
056 ⇔ 057	Color-controllable macro 21	**178 ⇔ 179**	Auto color macro 59
058 ⇔ 059	Color-controllable macro 22	**180 ⇔ 181**	Auto color macro 60
060 ⇔ 061	Color-controllable macro 23	**182 ⇔ 183**	Auto color macro 61
062 ⇔ 063	Color-controllable macro 24	**184 ⇔ 185**	Auto color macro 62
064 ⇔ 065	Color-controllable macro 25	**186 ⇔ 187**	Auto color macro 63
066 ⇔ 067	Color-controllable macro 26	**188 ⇔ 189**	Auto color macro 64
068 ⇔ 069	Color-controllable macro 27	**190 ⇔ 191**	Auto color macro 65
070 ⇔ 071	Color-controllable macro 28	**192 ⇔ 193**	Auto color macro 66
072 ⇔ 073	Color-controllable macro 29	**194 ⇔ 195**	Auto color macro 67
074 ⇔ 075	Color-controllable macro 30	**196 ⇔ 197**	Auto color macro 68
076 ⇔ 077	Color-controllable macro 31	**198 ⇔ 199**	Auto color macro 69
078 ⇔ 079	Color-controllable macro 32	**200 ⇔ 201**	Auto color macro 70
080 ⇔ 081	Color-controllable macro 33	**202 ⇔ 203**	Auto color macro 71
082 ⇔ 083	Color-controllable macro 34	**204 ⇔ 205**	Auto color macro 72
084 ⇔ 085	Color-controllable macro 35	**206 ⇔ 207**	Auto color macro 73
086 ⇔ 087	Color-controllable macro 36	**208 ⇔ 255**	Auto color macro 74 (main macro)
088 ⇔ 135	Color-controllable macro 37 (main macro)		

Patterns

1	○●●●●●●●	44	●○○○●●●●	87	●●○●●○○●	130	●○○○●○●●	173	○●○○○●○●
2	●○●●●●●●	45	●○○●○●●●	88	●●○●●○●○	131	●○○○●●○●	174	○●○○○●●○
3	●●○●●●●●	46	●○○●●○●●	89	●●○●●●○○	132	●○○○●●●○	175	○●●○○○○●
4	●●●○●●●●	47	●○○●●●○●	90	●●●○●○○●	133	●○○●○○●●	176	○●●○○○●○
5	●●●●○●●●	48	●○○●●●●○	91	●●●○●○●○	134	●○○●○●○●	177	○○●●○○○●
6	●●●●●○●●	49	●●○○○●●●	92	●●●○●●○○	135	●○○●○●●○	178	○○●●○○●○
7	●●●●●●○●	50	●●○○●○●●	93	●●●●○●○○	136	●○○●●○○●	179	○○●●●○○○
8	●●●●●●●○	51	●●○○●●○●	94	○○○○●●●●	137	●○○●●○●○	180	○○○●○○●●
9	○○○○○○○○	52	●●○○●●●○	95	○○○●○●●●	138	●○○●●●○○	181	○○○●○●○●
10	○○●●●●●●	53	●●●○○○●●	96	○○○●●○●●	139	●○●○○○●●	182	○○○●○●●○
11	○●○●●●●●	54	●●●○○●○●	97	○○○●●●○●	140	●○●○○●○●	183	○○○●●○○●
12	○●●○●●●●	55	●●●○○●●○	98	○○○●●●●○	141	●○●○○●●○	184	○○○●●○●○
13	○●●●○●●●	56	●●●●○○○●	99	○○●○○●●●	142	●○●○●○○●	185	○○○●●●○○
14	○●●●●○●●	57	●●●●○○●○	100	○○●○●○●●	143	●○●○●○●○	186	○○○○●○●●
15	○●●●●●○●	58	●●●●●○○○	101	○○●○●●○●	144	●○●○●●○○	187	○○○○●●○●
16	○●●●●●●○	59	○●○○●●●●	102	○○●○●●●○	145	●○●●○○○●	188	○○○○●●●○
17	●○○●●●●●	60	○●○●○●●●	103	○○●●○○●●	146	●○●●○○●○	189	●○○●○○○●
18	●○●○●●●●	61	○●○●●○●●	104	○○●●○●○●	147	●○●●●○○○	190	●○○●○○●○
19	●○●●○●●●	62	○●○●●●○●	105	○○●●○●●○	148	●●○○○○●●	191	●○○●●○○○
20	●○●●●○●●	63	○●○●●●●○	106	○○●●●○○●	149	●●○○○●○●	192	●○○○●○○●
21	●○●●●●○●	64	○●●○○●●●	107	○○●●●○●○	150	●●○○○●●○	193	●○○○●●●○
22	●○●●●●●○	65	○●●○●○●●	108	○○●●●●○○	151	●●○○●○○●	194	●○○○●●○○
23	●●○○●●●●	66	○●●○●●○●	109	○●○○○●●●	152	●●○○●○●○	195	●●○○●○○○
24	●●○●○●●●	67	○●●○●●●○	110	○●○○●○●●	153	●●○○●●○○	196	●●○○○●○○
25	●●○●●○●●	68	○●●●○○●●	111	○●○○●●○●	154	●●○●○○○●	197	○○○○○○●●
26	●●○●●●○●	69	○●●●○●○●	112	○●○○●●●○	155	●●○●○○●○	198	○○○○○●○●
27	●●○●●●●○	70	○●●●○●●○	113	○●○●○○●●	156	●●○●○●○○	199	○○○○○●●○
28	●●●○○●●●	71	○●●●●○○●	114	○●○●○●○●	157	●●○●●○○○	200	●○○○○○○●
29	●●●○●○●●	72	○●●●●○●○	115	○●○●○●●○	158	●●●○○○○●	201	●○○○○○●○
30	●●●○●●○●	73	○●●●●●○○	116	○●○●●○○●	159	●●●○○○●○	202	●○●○○○○○
31	●●●○●●●○	74	●○●●○○●●	117	○●○●●○●○	160	●●●○●○○○	203	●○○○○○○○
32	●●●●○○●●	75	●○●○●○●●	118	○●○●●●○○	161	●●●●○○○○	204	○●○○○○○●
33	●●●●○●○●	76	●○●●○●○●	119	○●●○○○●●	162	○○○○○●●●	205	○●○○○○●○
34	●●●●○●●○	77	●○●●○●●○	120	○●●○○●○●	163	○○○○●○●●	206	○●●○○○○○
35	●●●●●○○●	78	●○●●○○●●	121	○●●○○●●○	164	○○○○●●○●	207	●○●○○○○○
36	●●●●●○●○	79	●○●●○●○●	122	○●●○●○○●	165	○○○○●●●○	208	○○○○○○○●
37	●●●●●●○○	80	●○●●○●●○	123	○●●○●○●○	166	●○○○○○●●	209	○○○○○○●○
38	○○○●●●●●	81	●○●●●○○●	124	○●●○●●○○	167	●○○○○●○●	210	○○○○○●○○
39	○○●○●●●●	82	●○●●●○●○	125	○●●●○○○●	168	●○○○○●●○	211	○○○○●○○○
40	○○●●○●●●	83	●○●●●●○○	126	○●●●○○●○	169	●●○○○○○●	212	○○○●○○○○
41	○○●●●○●●	84	●●○●○○●●	127	○●●●○●○○	170	●●○○○○●○	213	○○●○○○○○
42	○○●●●●○●	85	●●○●○●○●	128	○●●●●○○○	171	●●●○○○○○	214	○●○○○○○○
43	○○●●●●●○	86	●●○●○●●○	129	●○○○○●●●	172	○●○○○○●●	215	●○○○○○○○

Configuration

Test Mode

Auto Test

To perform an auto test of the COLORado PXL Bar 8, follow the instructions below:

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

Manual Test

To test the functions of the COLORado PXL Bar 8 manually, do the following:

1. Go to the **Run Mode** main level.
2. Select **Manual Test**.
3. Select the function (**Tilt**, **P/T Speed**, **Red**, **Green**, **Blue**, **White**, **CTC**, **Color**, **Pattern**, **LED Macro**, **LED Ma. Speed**, **LED Ma. Fade**, **Background**, **Background Dim.**, **Dimmer**, **Shutter**, **Function**, and **Zoom1**) to test.
4. Change the value of the tested function, **000–255**.

Setup

Network Settings

To adjust the IP Mode, IP Byte, and SubMask settings, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Network Settings**.

IP mode

The IP address of the COLORado PXL Bar 8 can be set manually, by the network, or to a preset static address specific to each product. To set the IP Mode, do the following:

1. Navigate to **Network Settings**.
2. Select **IP Mode**.
3. Select among:
   - **Manual** – set the IP address with the control panel
   - **DHCP** – the network sets the IP address
   - **Static** – a preset address specific to each product

IP byte

In Manual IP Mode, the IP address must be assigned using the product menu. To set the IP address in Manual IP Mode, follow the instructions below:

1. Navigate to **Network Settings**.
2. Select **IP**.
3. Select from **IP Byte 1** to **4**.
4. Change the value of each IP Byte, **000–255**.

Subnet mask

In Manual IP Mode, the Subnet Mask must be assigned using the product menu. To set the Subnet Mask in Manual IP mode, do the following:

1. Navigate to **Network Settings**.
2. Select **SMK**.
3. Select from **SubMask 1** to **4**.
4. Change the value of each SubMask, **000–255**.

Tilt Orientation

To set whether the tilt orientation is normal or inverted, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Tilt Reverse**.
3. Select **NO** (normal tilt) or **YES** (reversed tilt).

Zoom Orientation

To set whether the zoom goes from wide to narrow or from narrow to wide, do the following:

1. Go to the **Setup** main level.
2. Select **Zoom Reverse**.
3. Select **NO** (wide to narrow) or **YES** (narrow to wide).

Display Orientation

To set which way the display faces, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Screen Reverse**.
3. Select **NO** (display is normal), **YES** (display is inverted), or **AUTO** (the display automatically detects which way the product is facing and orients itself accordingly).

Tilt Angle Range

To set the range of motion the tilt is permitted, do the following:

1. Go to the **Setup** main level.
2. Select **Tilt Angle**.
3. Select **200** (200° tilt), **180** (180° tilt), or **60** (60° tilt).

Blackout on Tilt Movement

To set whether the product will black out during tilt movement, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **BL. O. T Move**.
3. Select **NO** (do not black out) or **YES** (black out during movement).

Backlight Timer

To set the amount of time after inactivity before the display backlight turns off, do the following:

1. Go to the **Setup** main level.
2. Select **Backlight Timer**.
3. Select **30S** (after 30 seconds of inactivity), **1M** (after 1 minute of inactivity), **5M** (after 5 minutes of inactivity), or **ON** (does not turn off).

Loss of Data

In case of any loss of input signal, the COLORado PXL Bar 8 will respond in one of two ways: The product will either hold the last signal received, or black out all LED output.

To set how the product responds, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Loss of Data**.
3. Select **Hold** (hold last signal received) or **Close** (black out all LED output).

Fan Speed

To set the speed of the fans, do the following:

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

Defrost Fan

To activate or deactivate the defrost fan, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Defrost Fan**.
3. Select **OFF** (deactivate defrost fan) or **ON** (activate defrost fan).

Color-Mixing Mode

The COLORado PXL Bar 8 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, do the following:

1. Go to the **Setup** main level.
2. Select **C Mixing Mode**.
3. Select **RGBW** (additive mode: 0–100%) or **CMY** (subtractive mode: 100–0%).

Dimmer Curve

To set the dimmer curve, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Dimmer Curve**.
3. Select **Linear** (increase in light intensity is linear), **Square** (light intensity control is finer at low levels and coarser at high levels), **I Squa** (light intensity control is coarser at low levels and finer at high levels), or **SCurve** (light intensity is finer at low and high levels, and coarser at medium levels).

Dimmer Speed

To set the dimmer speed, do the following:

1. Go to the **Setup** main level.
2. Select **Dimmer Speed**.
3. Select **Smooth** or **Fast**.

LED Frequency

This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the COLORado PXL Bar 8.

1. Go to the **Setup** main level.
2. Go to the **PWM Option** main level.
3. Select PWM frequency (**600Hz**, **1200Hz**, **2000Hz**, **4000Hz**, **6000Hz**, or **25Khz**).

Cell Order

To set how the light is activated, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Cell Order**.
3. Choose **1–8** (light activates from left to right) or **8–1** (light activates from right to left).

Calibrated White

When activated, calibrated white sets the light output temperature to 7500K. To set the calibrated white setting, do the following:

1. Go to the **Setup** main level.
2. Select **Calibrated White**.
3. Select **ON** (activates calibrated white), **OFF** (deactivates calibrated white), or **Custom** (adjust light output temperature using the White Balance setting).

White Balance

To set the maximum values of a given LED color to create a white light output, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **White Balance**.
3. Select the color value to be changed (**Red**, **Green**, **Blue**, or **White**).
4. Set the color value, **000–255**.

Preset Functions

The COLORado PXL Bar 8 has three presets. Every time a settings is changed in the fixture, the current preset is updated to include that change. To load a preset, do the following:

1. Go to the **Setup** main level.
2. Select **Preset Select**.
3. Select the preset to load (**PRESET A**, **PRESET B**, or **PRESET C**).
4. The selected preset will load, and all changes made to the settings will save to that preset.

Presets can be uploaded to other COLORado PXL Bar 8 using a DMX connection. To do so:

1. Connect the DMX Out of the product that has the desired presets to the DMX In of the product to be updated.
2. Power on both products.
3. On the product with the desired presets, go to the **Setup** main level.
4. Select **Preset Sync**.
5. Select **NO** (do not upload settings) or **YES** (upload settings).

Reset Functions

To reset the tilt, zoom, or all functions as if from startup, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **Reset Function**.
3. Select the function to be reset (**Tilt**, **Zoom**, or **All**).
4. Select **NO** (do not reset) or **YES** (reset).

Factory Reset

To restore the COLORado PXL Bar 8 to factory default settings, do the following:

1. Go to the **Setup** main level.
2. Select **Factory Settings**.
3. Select **NO** (do not reset) or **YES** (reset to factory default settings).

USB Update
The COLORado PXL Bar 8 allows for software update through USB using the built-in USB port. To enable or disable this function, follow the instructions below:

1. Go to the **Setup** main level.
2. Select **USB Update**.
3. Select **NO** (disables updating by USB) or **YES** (enables updating by USB).

To update the software using USB 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 “Upgrade Firmware” will be displayed. Press <**ENTER**>.
   - If a different message appears on the display, search for the updated software in the **Menu (Updated Firmware)**. A list of the updated software files will be displayed.
3. Select the file that needs to be uploaded. The message “Are you sure?” will be displayed. Press <**ENTER**>.
4. If the selected file is correct, the upgrade will be completed. Restart the fixture.
   - If the selected file is incorrect, the upgrade will fail, and the display will go back to the main interface. Repeat steps 1–3 using the correct file.

The .chl format file needs to be placed in the COLORADO folder in the USB flash drive.

System Information
All the information about the current status of the COLORado PXL Bar 8 is available through the product’s **Information** menu. To view this information, follow the instructions below:

1. Go to the **Information** main level.
2. Choose the desired information from the following:
   - **Firmware Version** – displays the current firmware version
   - **Running Mode** – displays the current running mode
   - **Address** – displays the current starting address
   - **Temperature** – displays the current product temperature in °C
   - **Fixture Time** – displays the number of hours the fixture has been powered on
   - **LED Hours** – displays the total hours the LED has been powered on
   - **ArtNet Info** – displays the current IP address, Subnet Mask, and MAC address
   - **Device UID** – displays the product UID
   - **Fan Information** – displays the speed of head fans, defrost fans, and base fans

Offset Mode
The offset mode provides fine adjustments for the home position of all the moving parts in the optical path and the tilt movements. This ensures that the moving parts do not show any border or reduce the light output when in their home position.

1. Starting from the Main Level screen, press and hold <**MENU**> until the passcode screen appears.
2. Enter the passcode **2323**.
3. This direct the user to the Zero Adjust menu screen.

Tilt
To adjust the starting point of the tilt motor, do the following:

1. Select **TILT**.
2. Increase or decrease the starting value, from **000** to **255**.

Zoom
To adjust the starting point of the zoom motor, follow the instructions below:

1. Select **ZOOM1**.
2. Increase or decrease the starting value, from **000** to **255**.

MAC Address
To adjust the fourth, fifth, and sixth digit of the MAC address, do the following:

1. Select **MAC4**, **MAC5**, or **MAC6**.
2. Increase or decrease the starting value, from **000** to **255**.

RDM
To adjust the fourth, fifth, and sixth RDM, do the following:

1. Select **RDM4**, **RDM5**, or **RDM6**.
2. Increase or decrease the starting value, from **000** to **255**.

Web Server

The COLORado PXL Bar 8 Web Server can be accessed by any computer on the same network as the product. It allows network access to system information and settings (e.g., control setup, manual testing of all functions, firmware updates, and the ability to change the Web Server password).

1. Connect the product to power, and set the Control Protocol to **Art-Net** and the IP mode to **Static**.
2. Connect the product to a Windows® computer with a network cable.
3. On the computer, set the IP address of the new network to have the same first 3 digits as the IP address of the product (see IP byte).
4. Enter the IP address of the product into the URL bar of a Web browser on the computer.
5. Enter both the User Name and Password as **admin** to log in.

Information

The Information page on the Web Server displays the current settings and the system information of the COLORado PXL Bar 8.

Setup

The Setup page on the Web Server provides options for control, similar to the **Setup** menu on the product. Click **Save Settings** to send the new configuration to the product.

Manual Test

The Manual Test page on the Web Server allows all output functions of the product to be controlled through the browser. To set all functions back to default, click **Reset**.

Firmware Update

The Upgrade page on the Web Server allows the product to be updated with the latest firmware. Go to https://www.chauvetprofessional.com/products/colorado-pxl-bar-8 to download firmware updates.

Security

The Security page on the Web Server gives the option to change the password to the connected product's Web server. Enter the old password (**admin**, by default) and the new password twice, then click **Save Settings** to change the password.

5. Technical Information

Product Maintenance

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

Clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean the product:

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 vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
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.

Avoid spinning the cooling fans using compressed air to prevent damage.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
19.69 in (500 mm)	5.47 in (139 mm)	10.75 in (273 mm)	25.2 lb (11.5 kg)

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

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	422 W	422 W	409 W	407 W	404 W
Operating current	4.27 A	3.50 A	2.01 A	1.83 A	1.75 A
Power-linking current (products)	T/F 8 A, 250 V (1 product)	T/F 8 A, 250 V (3 products)	T/F 8 A, 250 V (5 products)	T/F 8 A, 250 V (6 products)	T/F 8 A, 250 V (6 products)

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power output connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Quad-color RGBW	8	45 W	3.0 A	50,000 hours

Photometrics

Parameter	Total Value	Single Cell Value
Beam angle	3.5° to 30.8°	4° to 29.9°
Field angle	5.2° to 42.7°	5.4° to 42.3°
Cutoff angle	8.5° to 47.3°	6.1° to 45.5°
Zoom range	3.6° to 47.3°	4° to 45.5°
Illuminance (3.6°)	12,109 lux @ 5m	
Illuminance (47.3°)	563 lux @ 5m	

Thermal

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

DMX

I/O Connector	Channel Range
5-pin IP-rated XLR	**Single Mode:** 19, 51, 89, or 105 channels **Dual Mode Movement:** 7, 19, or 25 channels **Dual Mode LED:** 24, 32, or 64 channels

Ordering

Product Name	Item Name	Item Code	UPC Number
COLORado PXL Bar 8	COLORADOPXLBAR8	08011854	781462222024

UL 1573
CSA C22.2 No. 166
E113093

Returns

Send the product prepaid, in the original box, and with the original packing and accessories. Chauvet will not issue call tags.

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

To submit a service request online, go to www.chauvetprofessional.com/service-request.

Clearly label the package with an RMA number. Chauvet will refuse any product returned without an RMA number.

Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Once you have the RMA number, provide the following information on a piece of paper and place it inside the box:

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

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.

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

Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet U.K.	
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Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetprofessional.mx

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.