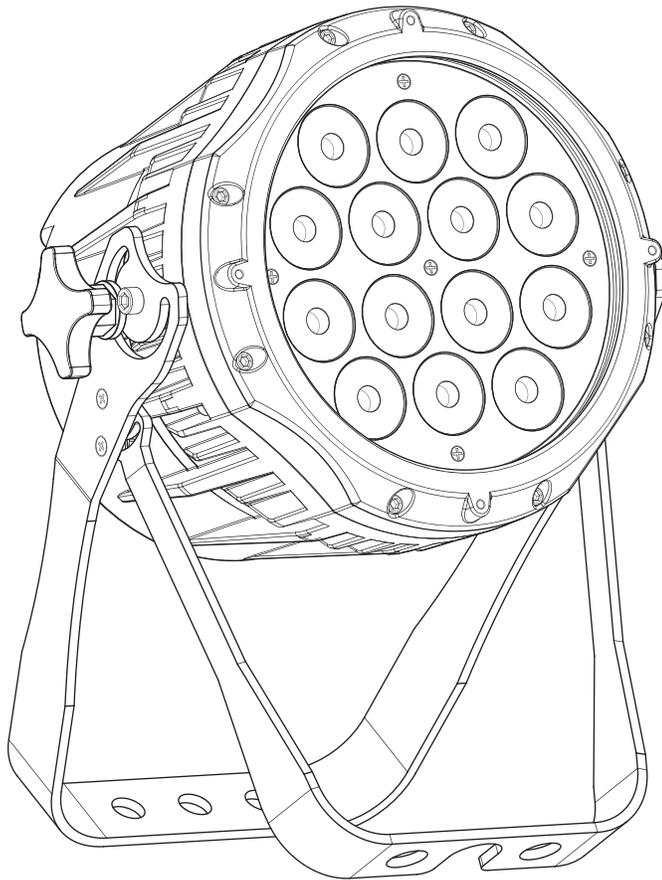


# COLORADO 1 QUAD

## User Manual



Model ID: COLORADO1QUAD

## Edition Notes

The COLORado 1 Quad User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the COLORado 1 Quad as of the release date of this edition.

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## Document Printing

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

## Intended Audience

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

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## Document Revision

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

Revision	Date	Description
2	03/2025	Updated bracket length, drawings, manual formatting.

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## Before You Begin

# 1. Before You Begin

## What Is Included

- COLORado 1 Quad
- Seetronic Powerkon IP65 power cable
- Gel frame holder (7.5 in / 191 mm accessories)
- Quick Reference Guide

## Claims

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

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

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

## Text Conventions

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

## Symbols

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



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



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

Connection of the control signal: DMX line

- The product has XLR sockets for DMX input and output.
- **Notice:** This control circuit is isolated and belongs to the Class 2 data port. The control circuit has a cumulative leakage current of less than 3.5 mA.

## Safety Notes

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



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



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

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 7.5 ft (3 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
  - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
  - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
  - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
  - Disconnect from power before cleaning the product.
  - 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.
  - Use a safety cable when mounting this product overhead.
  - Connect this product to a grounded and protected circuit.
- **DO NOT:**
  - Open this product. It contains no user-serviceable parts.
  - Look at the light source when the product is on.
  - Leave any flammable material within 50 cm of this product while operating or connected to power.
  - Connect this product to a dimmer or rheostat.
  - Operate this product if the housing, lenses, or cables appear damaged.
  - 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 hanging/mounting bracket to carry this product.
  - The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
  - The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
  - The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
  - To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
  - In the event of a serious operating problem, stop using immediately.



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

## Before You Begin

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### FCC Statement of Compliance

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

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

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

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

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

### Expected LED Lifespan

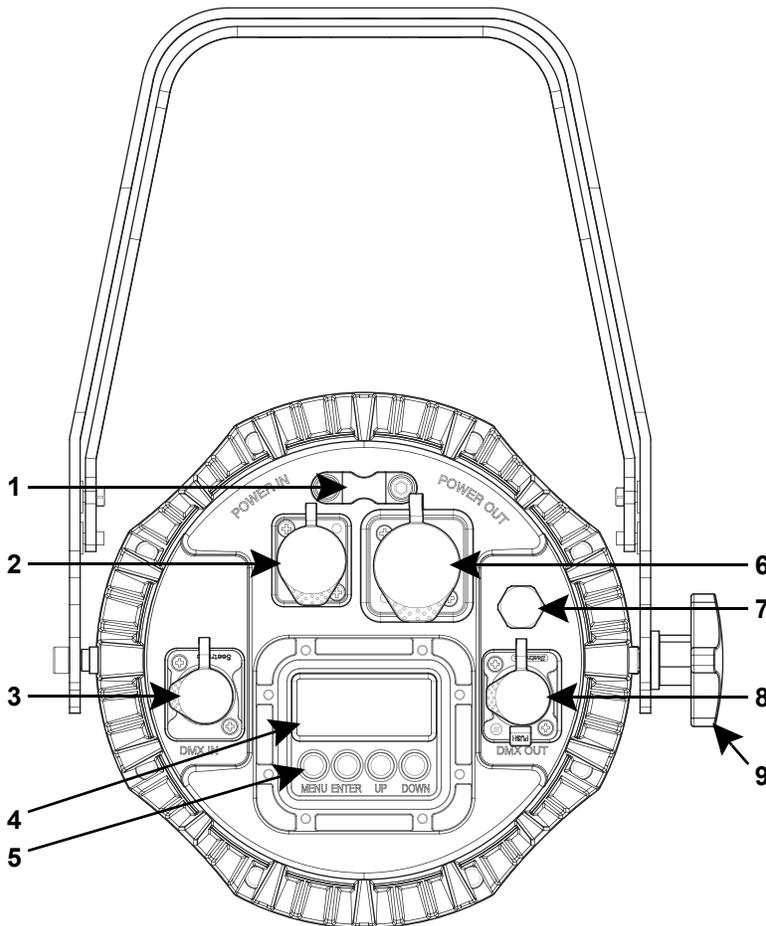
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product,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

## 2. Introduction

### Features

- RGBW LED wash for touring, rental, and production, indoors or out
- All environment operation with IP rated power and DMX connections
- Color temperature presets, from 2800 K to 10000 K
- Selectable, smooth dimming curves for programming versatility
- LED display with password protection
- M12 GORE® valve for assured internal equalization
- Simple and complex DMX channel profiles for programming versatility
- Double-bracket yoke doubles as floor stand

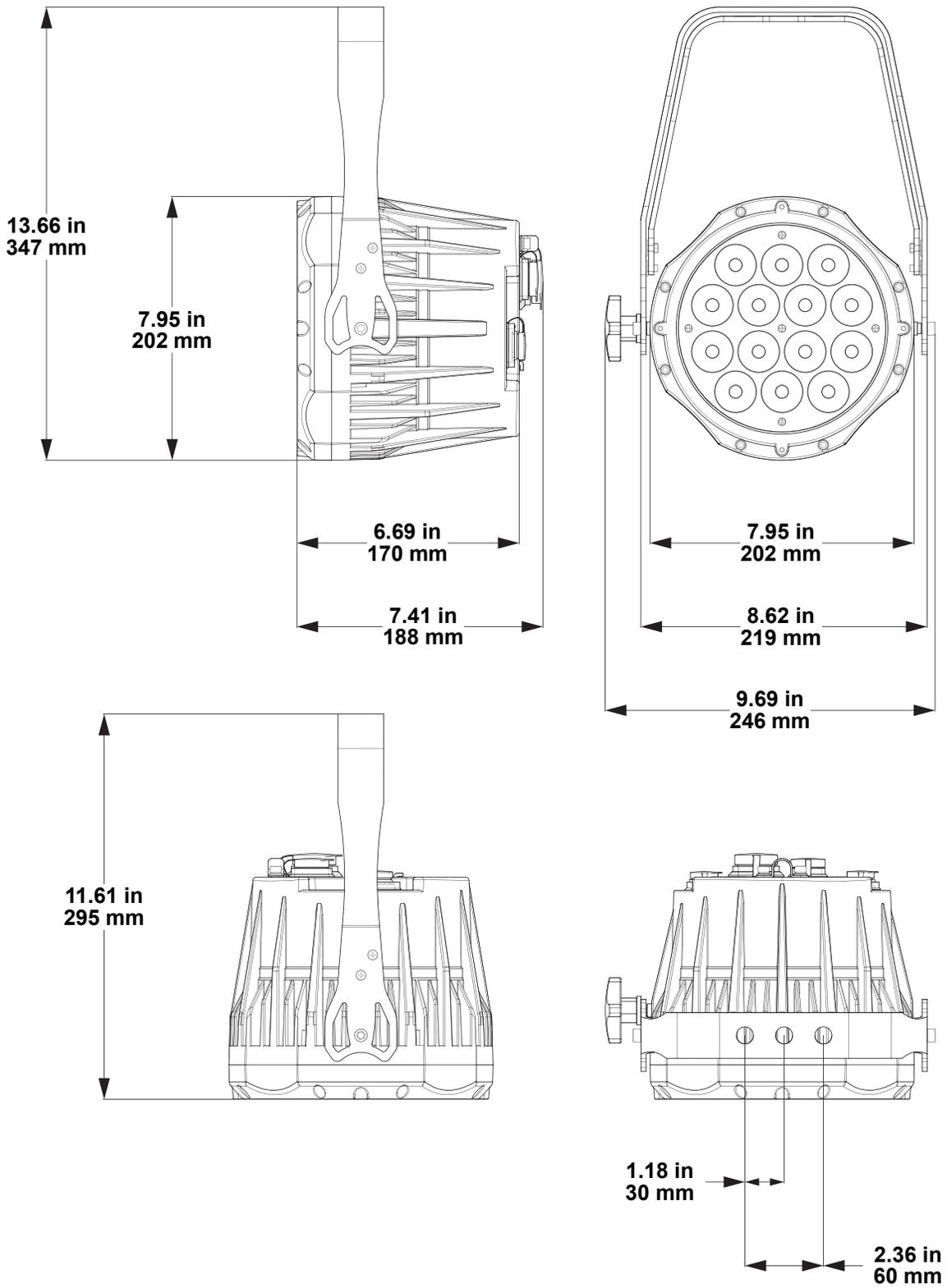
### Product Overview



#	Name
1	Safety loop
2	Power in
3	DMX in
4	Menu display
5	Menu buttons
6	Power out
7	GORE® valve
8	DMX out
9	Bracket adjustment knob

Introduction

Product Dimensions



### 3. Setup

#### AC Power

The COLORado 1 Quad 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). Ensure 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 1 Quad comes with a power input cable terminated with a Seetronic Powerkon A connector on one end and an Edison plug on the other end (U.S. market). If the power cable which came with the product has no plug, or if it is necessary to change the plug, 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 COLORado 1 Quad 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
<b>Current Draw</b>	1.02 A	0.84 A	0.51 A	0.46 A	0.45 A

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

#### DMX Linking

The COLORado 1 Quad can be linked to a DMX controller using a 5-pin DMX connection. If using other DMX-compatible products with this product, it's possible to control each individually with a single DMX controller.

#### DMX Personalities

The COLORado 1 Quad uses a 5-pin DMX data connection for its 9 DMX personalities, ranging from 4 to 15 channels.

- Refer to the [Operation](#) chapter to learn how to configure the COLORado 1 Quad to work in these personalities.
- The [DMX Channel Assignments and Values](#) section provides detailed information regarding the DMX personalities.



**For 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](http://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 COLORado 1 Quad supports RDM protocol that allows feedback to make changes to menu map options.

## Master/Slave Connectivity

The Master/Slave mode allows an COLORado 1 Quad (the master) to control one or more COLORado 1 Quad products (the slaves) without a DMX controller. One COLORado 1 Quad becomes the master when running an auto program or in Static mode.

Each slave's control panel must be configured 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.
- For 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](http://www.chauvetprofessional.com).

## Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).

### Orientation

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

### Rigging

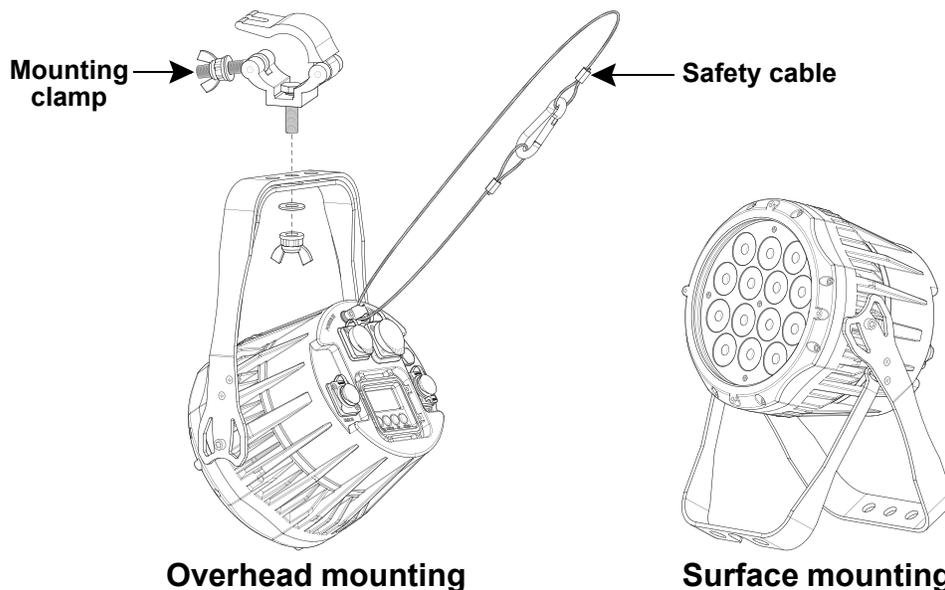
Chauvet recommends using the following general guidelines when mounting this product.

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) for weight information).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.
- The bracket adjustment knob allows for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knob manually. Using tools could damage the knob.

### Procedure

The COLORado 1 Quad comes with a mounting bracket. The user can directly attach a mounting clamp (sold separately) to this bracket. Make sure the clamp is capable of supporting the weight of this 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 numeric value when in a function
<DOWN>	Navigates downwards through the menu list or decreases the value when in a function

### Control Options

Set the COLORado 1 Quad starting address in the **001–512** DMX range. This enables control of up to 34 products in the 15-channel **16BI** personality.

### Programming

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

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

### Control Panel Lock

The setting locks or unlocks the control panel.

1. Go to the **KEY** main level.
2. Select **ON** (locks control panel) or **OFF** (control panel stays unlocked).



**When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode as described below.**

### Passcode

When prompted, enter the following passcode: **<UP>**, **<DOWN>**, **<UP>**, **<DOWN>**, **<ENTER>**. It is not possible to change this passcode.

## Operation

### Menu Map

Refer to the COLORado 1 Quad product page on [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest menu map.

Main Level	Programming Levels		Description		
STAT	R.	000–255	Combine red, green, blue, and white to mix a custom color (0–100%)		
	G.				
	B.				
	W.				
	ST.	000–020	Set the strobe frequency (0–20 Hz)		
AUTO	AT.01–10	Speed 001–100	Select a preset program		
		PR.01–10	Select a custom program		
RUN		DMX	Master (DMX) mode		
		SLAV	Slave mode		
DMX		D.001–512	Set the DMX starting address		
PERS	RGB	TOUR	9-channel: dimmer, RGB, color macro, strobe, auto program, auto speed, dimmer speed		
		TR16	13-channel: 16-bit dimmer, 16-bit RGB, color macro, strobe, auto program, auto speed, dimmer speed		
		AR1.D	4-channel: dimmer, RGB		
	RGBW	8BIT	10-channel: dimmer, RGBW, color macro, strobe, auto program, auto speed, dimmer speed		
		16BI	15-channel: 16-bit dimmer, 16-bit RGBW, color macro, strobe, auto program, auto speed, dimmer speed		
		SSP	7-channel: dimmer, RGBW, strobe, dimmer speed		
		ARC.2	4-channel: RGBW		
		AR2.D	5-channel: dimmer, RGBW		
		AR2.S	6-channel: dimmer, RGBW, strobe		
		EDIT (custom program)	PR.01–10 (selects program)	SC.01–30 (selects scene)	R.
G.					
B.					
W.					
S.	000–020				Set the strobe frequency (0–20 Hz)
T.	000–255				Set the scene time (slow to fast)
F.					Set the fade time (slow to fast)

Main Level	Programming Levels				Description
SET	UPLD	(enter passcode)	OK		Upload custom programs to other COLORado 1 Quad products
	REST		WAIT	OK	Reset product to factory defaults
	COLO	OFF			Set white balance to maximum
		RGBW			Set white balance with <b>CAL2</b>
		UC			Universal Color white balance
	DIM	OFF			Instantaneous dimmer speed
		DIM1-4			Dimmer speed, fast to slow
	CURV	OFF			Linear dimmer curve
		CV1-3			Dimmer curve, fast to slow
	DERR	SAVE			Continue the last instruction on DMX signal loss
		BLAK			Black out on DMX signal loss
	SLCK	OFF			Disable <b>SET</b> menu lock
		ON			Lock <b>SET</b> menu with passcode
	STRB	CLAS			Set the strobe mode
SPRC					
PWM	600			Set the pulse width modulation frequency	
	1200				
	2000				
	2400				
	4000				
	6000				
25K					
CAL	CAL1	WH.01-11	R.	000-255	Combine red, green, blue, and white to mix the color macros in the <b>TOUR</b> , <b>8BIT</b> , <b>16BI</b> , and <b>TR16</b> DMX personalities (0-100%)
			G.		
			B.		
			W.		
	CAL2	RGBW	R.	000-255	Set the white balance for the <b>COLO &gt; RGBW</b> mode
			G.		
B.					
CALR	(enter passcode)	CALR	OK	Reset the <b>CAL</b> menu to factory defaults	
KEY	ON			Enable or disable the passcode lock (passcode: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)	
	OFF				
INFO	VERS	V._._		Show the current firmware version	

## Operation

### DMX Configuration

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

#### DMX Personalities

To set the DMX personality:

1. Go to the **PERS** main level.
  2. Select the color mode from **RGB** or **RGBW**.
  3. For:
    - **RGB**, select the desired personality, from **TOUR**, **TR16**, or **AR1.D**.
    - **RGBW**, select the desired personality, from **8BIT**, **16BI**, **SSP**, **ARC.2**, **AR2.D**, or **AR2.S**.
- See the [Starting Address](#) section for the highest selectable starting address for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.



#### Starting Address

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

1. Go to the **DMX** main level.
2. Select the starting address (**D.001–512**).

Personality	Channels	Highest Address	Products per Universe
<b>TOUR</b>	<b>9</b>	<b>504</b>	<b>56</b>
<b>TR16</b>	<b>13</b>	<b>500</b>	<b>39</b>
<b>AR1.D</b>	<b>4</b>	<b>509</b>	<b>128</b>
<b>8BIT</b>	<b>10</b>	<b>503</b>	<b>51</b>
<b>16BI</b>	<b>15</b>	<b>498</b>	<b>34</b>
<b>SSP</b>	<b>7</b>	<b>506</b>	<b>73</b>
<b>ARC.2</b>	<b>4</b>	<b>509</b>	<b>128</b>
<b>AR2.D</b>	<b>5</b>	<b>508</b>	<b>102</b>
<b>AR2.S</b>	<b>6</b>	<b>507</b>	<b>85</b>

## DMX Channel Assignments and Values

### Color Macro Chart

See [Custom Color Macros](#) to custom mix White 1–11.

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 010	No function	201 ⇔ 205	White 1
011 ⇔ 030	R: 100% G: 0–100% B: 0%	206 ⇔ 210	White 2
031 ⇔ 050	R: 100–0% G: 100% B: 0%	211 ⇔ 215	White 3
051 ⇔ 070	R: 0% G: 100% B: 0–100%	216 ⇔ 220	White 4
071 ⇔ 090	R: 0% G: 100–0% B: 100%	221 ⇔ 225	White 5
091 ⇔ 110	R: 0–100% G: 0% B: 100%	226 ⇔ 230	White 6
111 ⇔ 130	R: 100% G: 0% B: 100–0%	231 ⇔ 235	White 7
131 ⇔ 150	R: 100% G: 0–100% B: 0–100%	236 ⇔ 240	White 8
151 ⇔ 170	R: 100–0% G: 100–0% B: 100%	241 ⇔ 245	White 9
171 ⇔ 200	RGBW: 100%	246 ⇔ 250	White 10
		251 ⇔ 255	White 11

### Strobe Charts

See [Strobe Mode](#) to select the strobe mode.

#### Classic Strobe

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	070 ⇔ 079	7 Hz	140 ⇔ 149	14 Hz
010 ⇔ 019	1 Hz	080 ⇔ 089	8 Hz	150 ⇔ 159	15 Hz
020 ⇔ 029	2 Hz	090 ⇔ 099	9 Hz	160 ⇔ 169	16 Hz
030 ⇔ 039	3 Hz	100 ⇔ 109	10 Hz	170 ⇔ 179	17 Hz
040 ⇔ 049	4 Hz	110 ⇔ 119	11 Hz	180 ⇔ 189	18 Hz
050 ⇔ 059	5 Hz	120 ⇔ 129	12 Hz	190 ⇔ 199	19 Hz
060 ⇔ 069	6 Hz	130 ⇔ 139	13 Hz	200 ⇔ 255	20 Hz

#### Special Strobe

Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	110 ⇔ 179	Lightning strobe, slow to fast
010 ⇔ 099	Strobe, strobe to fast	180 ⇔ 189	No function
100 ⇔ 109	No function	190 ⇔ 215	Random strobe, slow to fast

### Automatic Program Chart

See [Edit Custom Program](#) to configure the custom programs.

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 020	No function	091 ⇔ 100	Preset program 8	161 ⇔ 170	Custom program 5
021 ⇔ 030	Preset program 1	101 ⇔ 110	Preset program 9	171 ⇔ 180	Custom program 6
031 ⇔ 040	Preset program 2	111 ⇔ 120	Preset program 10	181 ⇔ 190	Custom program 7
041 ⇔ 050	Preset program 3	121 ⇔ 130	Custom program 1	191 ⇔ 200	Custom program 8
051 ⇔ 060	Preset program 4	131 ⇔ 140	Custom program 2	201 ⇔ 210	Custom program 9
061 ⇔ 070	Preset program 5	141 ⇔ 150	Custom program 3	211 ⇔ 220	Custom program 10
071 ⇔ 080	Preset program 6	151 ⇔ 160	Custom program 4	221 ⇔ 255	No function
081 ⇔ 090	Preset program 7				

## Operation

### RGBW Personalities

8B = 8BIT (10 channels), 16 = 16BI (15), SP = SSP (7), A2 = ARC.2 (4), AD = AR2.D (5), AS = AR2.S (6)

AS	AD	A2	SP	16	8B	Function	Value	Percent/Setting
1	1	-	1	1	1	Dimmer	000 ⇔ 255	0–100%
-	-	-	-	2	-	Fine dimmer	000 ⇔ 255	0–100%
2	2	1	2	3	2	Red / Scene time	000 ⇔ 255	0–100% / (speed for custom program)
-	-	-	-	4	-	Fine red / Fade time	000 ⇔ 255	0–100% / (speed for custom program)
3	3	2	3	5	3	Green	000 ⇔ 255	0–100%
-	-	-	-	6	-	Fine green	000 ⇔ 255	0–100%
4	4	3	4	7	4	Blue	000 ⇔ 255	0–100%
-	-	-	-	8	-	Fine blue	000 ⇔ 255	0–100%
5	5	4	5	9	5	White	000 ⇔ 255	0–100%
-	-	-	-	10	-	Fine White	000 ⇔ 255	0–100%
-	-	-	-	11	6	Color Macro	000 ⇔ 255	See the <a href="#">Color Macro Chart</a>
6	-	-	6	12	7	Strobe	000 ⇔ 255	See the <a href="#">Strobe Charts</a>
-	-	-	-	13	8	Automatic Program	000 ⇔ 255	See the <a href="#">Automatic Program Chart</a>
-	-	-	-	14	9	Program speed	000 ⇔ 255	0–100% (only for preset programs)
-	-	-	7	15	10	Dimmer speed	000 ⇔ 009 010 ⇔ 029 030 ⇔ 069 070 ⇔ 129 130 ⇔ 189 190 ⇔ 255	Dimmer speed set by display menu Instantaneous dimmer speed Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 Dimmer speed 4 (slowest)

### RGB Personalities

TOUR (9 channels), TR16 (13), AR1.D (4)

AR1.D	TR16	TOUR	Function	Value	Percent/Setting
1	1	1	Dimmer	000 ⇔ 255	0–100%
-	2	-	Fine dimmer	000 ⇔ 255	0–100%
2	3	2	Red / Scene time	000 ⇔ 255	0–100% / (speed for custom program)
-	4	-	Fine red / Fade time	000 ⇔ 255	0–100% / (speed for custom program)
3	5	3	Green	000 ⇔ 255	0–100%
-	6	-	Fine green	000 ⇔ 255	0–100%
4	7	4	Blue	000 ⇔ 255	0–100%
-	8	-	Fine blue	000 ⇔ 255	0–100%
-	9	5	Color Macro	000 ⇔ 255	See the <a href="#">Color Macro Chart</a>
-	10	6	Strobe	000 ⇔ 255	See the <a href="#">Strobe Charts</a>
-	11	7	Automatic Program	000 ⇔ 255	See the <a href="#">Automatic Program Chart</a>
-	12	8	Program speed	000 ⇔ 255	0–100% (only for preset programs)
-	13	9	Dimmer speed	000 ⇔ 009 010 ⇔ 029 030 ⇔ 069 070 ⇔ 129 130 ⇔ 189 190 ⇔ 255	Dimmer speed set by display menu Instantaneous dimmer speed Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 Dimmer speed 4 (slowest)

## Standalone Configuration

### Static Mode

To manually set a static color and strobe speed:

1. Go to the **STAT** main level.
2. Select the parameter to edit, from **R.** (red), **G.** (green), **B.** (blue), **W.** (white), or **ST.** (strobe).
3. Set the value for the selected color (**000–255**) or the strobe frequency (**000–020**).
4. Repeat steps 2 and 3 until product outputs as desired.

### Automatic Programs

To select an automatic program:

1. Go to the **AUTO** main level.
2. Select the desired preset program (**AT.01–10**) or custom program (**PR.01–10**).
3. If **AT.01–10**, set the **Speed** value (**001–100**).

### Edit Custom Program

The COLORado 1 Quad has 10 custom programs, each with up to 30 scenes. To edit the custom programs:

1. Go to the **EDIT** main level.
2. Select the program to edit (**PR.01–10**).
3. Select the scene to edit (**SC.01–30**).
4. Select the parameter to edit, from **R.** (red), **G.** (green), **B.** (blue), **W.** (white), **ST.** (strobe), **T.** (scene time), or **F.** (fade time).
5. Set the value for the selected color (**000–255**), the strobe frequency (**000–020**), or the speed of the scene duration or fade (**000–255**).
6. Repeat steps 3 through 5 until the program is configured as desired.

## Settings Configuration

### Master/Slave

To set the COLORado 1 Quad product to master or slave mode:

1. Go to the **RUN** main level.
2. Select from **DMX** (sends control signal or responds to DMX input) or **SLAV** (receives control signal).



- **Configure all the slave products before connecting the master to the daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**
- **Do not connect more than 31 slaves to the master.**

### Upload Custom Programs

To upload the custom programs from one COLORado 1 Quad product to another:

1. Connect both COLORado 1 Quad products to power.
2. Plug the DMX output of the sending product in to the DMX input of the receiving product.
3. Go to the **SET** main level on the sending product.
4. Select the **UPLD** option.
5. Enter the passcode (see [Passcode](#)).
6. Select **OK**.

### Factory Reset

To reset the product to factory default settings:

1. Go to the **SET** main level.
2. Select the **REST** option.
3. Enter the passcode (see [Passcode](#)).
4. **WAIT**, then select **OK**, or press **<MENU>** to cancel.

## Operation

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### White Balance Mode

To select the white balance mode:

1. Go to the **SET** main level.
2. Select the **COLO** option.
3. Select the mode, from **OFF** (100% values), **RGBW** (see [Custom White Balance](#)), or **UC** (Universal Color mode).

### Dimmer Speed Mode

To set the dimmer speed:

1. Go to the **SET** main level.
2. Select the **DIM** option.
3. Select the dimmer speed from **OFF** (instant), **DIM1** (fastest), **DIM2**, **DIM3**, or **DIM4** (slowest).

### Dimmer Curve

To set the dimmer curve intensity:

1. Go to the **SET** main level.
2. Select the **CURV** option.
3. Select the curve intensity from **OFF** (linear), **CV1** (fastest), **CV2**, or **CV3** (slowest).

### DMX Loss

To select what happens when a DMX signal is lost or there is an error in the control signal:

1. Go to the **SET** main level.
2. Select the **DERR** option.
3. Select from **SAVE** (continue the last instruction) or **BLAK** (black out the product).

### SET Menu Lock

To lock or unlock the **SET** menu with the passcode:

1. Go to the **SET** main level.
2. Select the **SLCK** option.
3. Select from **OFF** (do not require passcode) or **ON** (require passcode to access **SET** menu).

### Strobe Mode

To select the strobe mode for DMX operation:

1. Go to the **SET** main level.
2. Select the **STRB** option.
3. Select from **CLAS** (simple, 1–20 Hz speed control) or **SPRC** (special, with lightning and random strobes).

### Pulse Width Modulation

To set the frequency of the pulse width modulation:

1. Go to the **SET** main level.
2. Select the **PWM** option.
3. Select the PWM frequency, from **600**, **1200**, **2000**, **2400**, **4000**, **6000**, or **25K**.

### Custom Color Macros

To calibrate the white balance of the 11 custom color macros available through DMX operation:

1. Go to the **CAL** main level.
2. Enter the passcode (see [Passcode](#)).
3. Select the **CAL1** option.
4. Select which color macro white balance to edit (**WH.01–11**).
5. Select the maximum color value to edit, from **R.** (red), **G.** (green), **B.** (blue), or **W.** (white).
6. Set the maximum level for the selected color (**000–255**).
7. Repeat steps 4 through 6 until the macros are set as desired.

### **Custom White Balance**

To calibrate the white balance with the [White Balance Mode](#) set to **RGBW**:

1. Go to the **CAL** main level.
2. Enter the passcode (see [Passcode](#)).
3. Select the **CAL2** option.
4. Select the maximum color value to edit, from **R.** (red), **G.** (green), or **B.** (blue).
5. Set the maximum level for the selected color (**000–255**).
6. Repeat steps 4 and 5 until the white balance is set as desired.

### **Reset Color Calibration**

To reset the color calibration settings to factory defaults:

1. Go to the **CAL** main level.
2. Enter the passcode (see [Passcode](#)).
3. Select the **CALR** option.
4. Enter the passcode (see [Passcode](#)).
5. Select **OK**, or press **<MENU>** to cancel.

### **Information**

To view the current firmware version of the product, go to the **INFO** main level.

# 5. Maintenance

## Product Maintenance

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

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution, 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.**

## Torque Measurements

To maintain the IP rating when reassembling the product, use the given torque measurements for all screws and bolts:

Fixture Parts	Torque Rating (Kgf.cm)	Torque Rating (lbf.in)
All screws and bolts	30.5	26.47278

## Vacuum Test Measurements

Use the IP Tester from Chauvet Professional to ensure the product has been reassembled correctly by following the information below:

Parameters	Values
Method	Positive
Test pressure	8.5 kPa
Test duration	10 seconds
PASS state leak pressure	<0.1 kPa

## 6. Technical Specifications

### Dimensions and Weight

Length	Width	Height	Weight
11.61 in (295 mm)	9.69 in (246 mm)	7.95 in (202 mm)	9.8 lb (4.5 kg)

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

### Power

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

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	62 W	60 W	60 W	59 W	59 W
Operating Current	1.02 A	0.84 A	0.51 A	0.46 A	0.45 A
Power Linking Current (products)	12 A (10 products)	12 A (13 products)	12 A (22 products)	12 A (25 products)	12 A (25 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 Cable plug	Edison	Local plug

### Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Quad-color RGBW	14	5 W	350 mA	50,000 hours

### Photometrics

Color Temp. Range	Beam Angle	Field Angle	Lumens	Illuminance @ 5 m
2,800 to 10,000 K	14.1°	27.2°	2,839	1,385 lux

### Thermal

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

### Control

DMX I/O Connector	Channel Range
5-pin XLR	4, 5, 6, 7, 9, 10, 13 or 15

### Ordering

Product Name	Item Name	Item Code	UPC Number
COLORado 1 Quad	COLORADO1QUAD	01031530	781462218775



## Contact Us

General Information	Technical Support
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## Warranty & Returns

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

For customers in the United States and Mexico: [www.chauvetlighting.com/warranty-registration](http://www.chauvetlighting.com/warranty-registration).

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