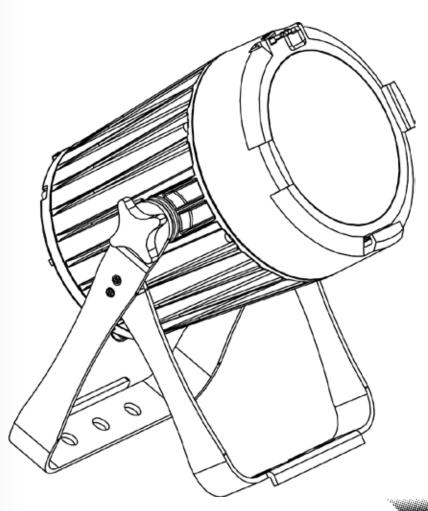
# COLORADO I

### **User Manual**







Edition The COLORado 1 Solo User Manual Rev. 6 includes a description, safety precautions, and installation, programming, operation, and maintenance instructions for the COLORado 1 Solo **Notes** as of the release date of this edition in April 2018.

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# Printing

Document For better 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 your printer to scale the content accordingly.

Intended Any person in charge of installing, operating, and/or maintaining this product should completely Audience 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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# Revision

**Document** The COLORado 1 Solo User Manual Rev. 6 supersedes all previous versions of this manual. Discard any older versions of this manual and replace with this version. Go to www.chauvetprofessional.com for the latest version.



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# 1. Before You Begin

What Is • Included

COLORado 1 Solo

Seetronic Powerkon IP65 power cord

Warranty Card

Quick Reference Guide

Claims Carefully unpack the product immediately and check the box 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 in the text					
50/60	A set of mutually exclusive values in the text					
<set></set>	A button on the product's control panel					
Settings	A product function or a menu option					
MENU>Settings	A sequence of menu options					
1–10	A range of menu values from which to choose in a menu					
Yes/No	A set of two mutually exclusive menu options in a menu					
ON	A unique value to be entered or selected in a menu					

### **Symbols**

Symbols	Meaning
<u>^</u>	Critical installation, configuration, or operation information. Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the operator.
$\bigcirc$	Important installation or configuration information. Failure to comply with this information may keep the product from working.
	Useful information.



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



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



### **Safety Notes**



Read all the following Safety Notes before working with this product. These notes include 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 Chauvet 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 this product from its power source before servicing.
- · Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing during operation because it may be very hot.

# Mounting And Rigging

- Do not submerge this product (IP65). Temporary outdoor operation is fine.
- Do not allow the product to remain pointed straight down if using in below freezing temperatures.
- 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).
  - Where the normal high or low temperatures of the location 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.
- 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 this product while it is operating.
- When hanging this product, always secure to a fastening device using a safety cable.

# Power And Wiring

- · Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- 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 this 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 you see 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 this product at a higher temperature.
- · In case of a serious operating problem, stop using this product immediately!



# In the unlikely event that your Chauvet product requires service, contact Chauvet Technical Support.

# Expected LED Lifespan

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single-LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan can be 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product and reducing the ambient temperature to an optimal operating range. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.



### 2. Introduction

Description The COLORado 1 Solo is an IP65-rated high-power quad-color (RGBW) LED wash product with color mixing and zoom control. This powerful wash product projects an even, fully homogenized beam through fast and smooth zooming optics. The COLORado 1 Solo features new IP rated power and data connectors, full convection cooling, and a double-bracketed yoke that can serve as a floor mount or hanging support bracket.

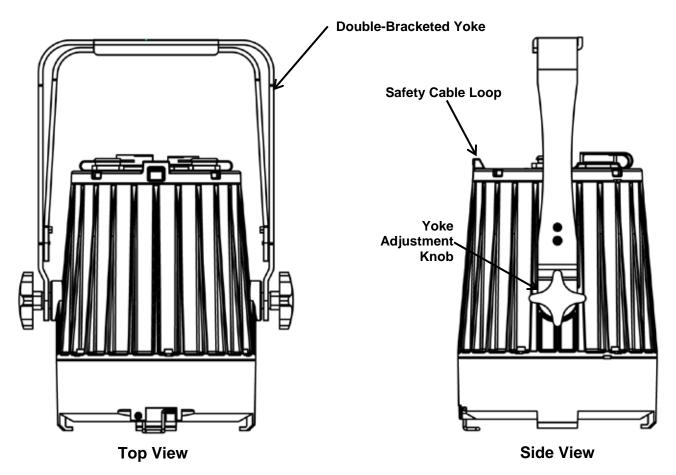
### Features ·

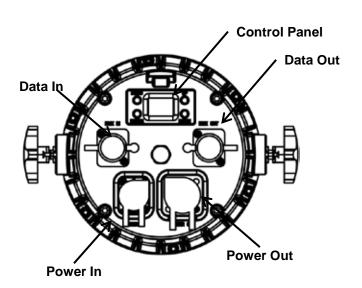
9, 12 or 17-channel quad-color LED wash product

- Operating modes:
  - 9-channel: H/S/CCT control, dimmer, strobe, zoom, zoom reset, dimmer speed
  - 9-channel: R/G/B/W, dimmer, strobe, zoom, zoom reset, dimmer speed
  - 12-channel: R/G/B/W, dimmer, strobe, color macro, auto/custom, dimmer speed, auto speed, zoom, zoom reset
  - 17-channel: 16-bit R/G/B/W and dimmer; strobe, color macro, auto/custom, dimmer speed, auto speed, zoom, zoom reset
  - 17-channel: 16-bit R/G/B/W and dimmer; strobe, color macro, auto/custom, dimmer speed, auto speed, zoom, zoom reset
- Zooming RGBW LED wash for touring, rental and production indoors or out
- Completely homogenized wash with superior color mixing and zoom
- 8° to 55° smooth and fast zoom
- All environment operation with IP rated power and DMX connections
- Color temperature presets, from 3200 K to 10000 K
- Selectable, smooth dimming curves for programming versatility
- OLED display with password protection

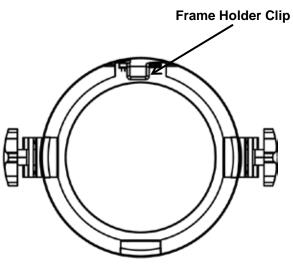


### **Overview**





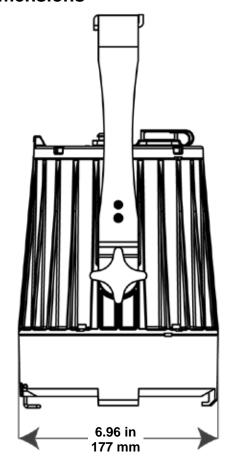


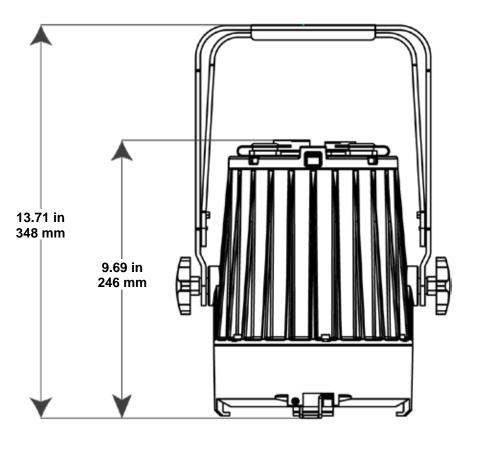


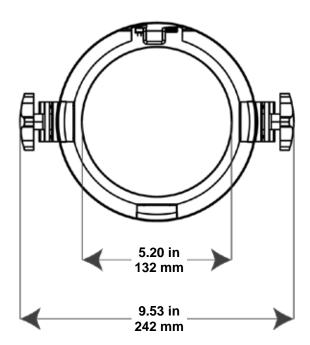
**Front View** 



### **Dimensions**









### 3. Setup

### **AC Power**

Each COLORado 1 Solo 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 1 Solo, 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, you may download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.



- Always connect this product to a protected circuit with 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 this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

The COLORado 1 Solo 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 to change the Edison plug, use the table below to wire the new plug.

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

Power Linking The COLORado 1 Solo supports power linking. You can power link up to 24 products at 120 V; up to 40 at 208 V; or up to 45 at 230 V. This product comes with a power input cord.



- 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 1 Solo to a DMX controller using a 5-pin DMX connection. If using other DMX-compatible products with the COLORado 1 Solo, you can control each individually with a single DMX controller.

DMX The COLORado 1 Solo uses a 5-pin DMX data connection for the HSIC, SSP, TOUR, TR16, Personalities and STD.Y DMX personalities.

- Refer to the Introduction chapter for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the COLORado 1 Solo to work in these personalities.
- The DMX Values section provides you with detailed information regarding the DMX personalities.



- 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.
- For optimum control of the 16-bit dimming channels in the TR16 and STD.Y personalities, be sure that both dimming curves in SETTING > DIMMER are set to OFF.

# (RDM)

Remote Device Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to Management 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 Solo supports RDM protocol that allows feedback to make changes to menu map options.

# Connectivity

Master/Slave The Master/Slave mode allows a COLORado 1 Solo (the master) to control one or more COLORado 1 Solos (the slaves) without a DMX controller. One COLORado 1 Solo becomes the master when running an auto or custom program, or by being in a 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.



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



### Mounting

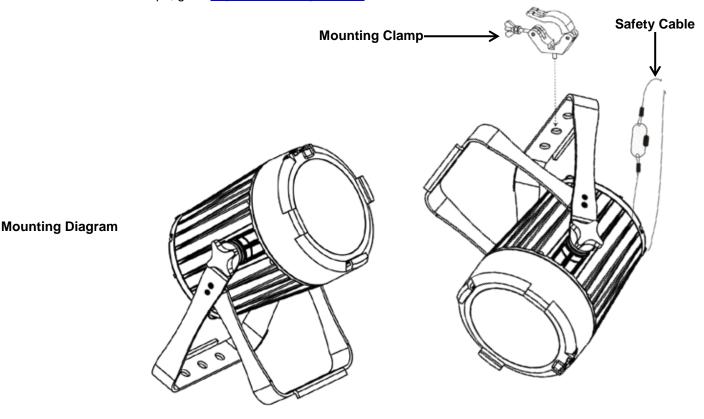
Before mounting this product, read and follow the Safety Notes. For our CHAUVET Professional line of mounting clamps, go to <a href="http://trusst.com/products/">http://trusst.com/products/</a>.

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

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

- When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
- Make sure to mount this product away from any flammable material as indicated in the Safety Notes.
- If hanging this product, make sure that the mounting location can support the product's weight. See the **Technical Specifications** for the weight-bearing requirements of this product.
- When hanging this product, always secure to a fastening device using a safety cable. For our CHAUVET Professional line of safety cables, go to http://trusst.com/products/.

Procedure The COLORado 1 Solo comes with a double-bracketed yoke to which you can either attach mounting clamps for hanging or simply use as a floor stand. You must supply your own mounting clamps. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product. For our CHAUVET Professional line of mounting clamps, go to http://trusst.com/products/.



Floor Mounting

**Overhead Mounting** 



When using only one mounting clamp, be sure to use a clamp with a captive bolt to prevent accidental loosening.



### 4. Operation

### **Control Panel Description**

Button	Function			
<menu></menu>	Exits from the current menu or function			
<enter></enter>	Enables the currently displayed menu or sets the currently selected value in to the current function			
<up></up>	Navigates upward through the menu list or increases the numeric value when in a function			
<down></down>	Navigates downward through the menu list or decreases the numeric value when in a function			

Control Set the COLORado 1 Solo starting address in the 001–512 DMX range. This enables control of Options up to 30 products in the 17-channel TR16 personality.

### **Programming**

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

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

Control Panel This setting enables you to activate or disable the control panel lock, which keeps nonauthorized personnel from changing the product's settings.

- Lock 1. Go to the KEY main level.
  - 2. Select ON or OFF.



When the control panel lock is activated, in order to access the products main programming level, the product will prompt you to enter the passcode. Enter the passcode as described in Passcode.

**Passcode** After being prompted to enter the passcode:

Press <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>.



### Menu Map

Main Level	Programming Levels				Description
STATIC	REC GREE BLU WHIT	EN E			Combines red, green, blue, and white to make a custom color (0–100%)
	ZOO				Changes the beam angle (zoom)
	STRO				Selects the strobe frequency (0–25 Hz)
ADDRESS		001–			Selects the DMX starting address
AUTO PROGRAM	AUTO1	i	Speed 000-	-255	10 automatic programs
		PROGRA			10 customizable programs
<b>RUN MODE</b>		DM			DMX mode
		SLA			Master/Slave mode
ZOOM MODE		ZOOM M			Normal operation
		ZOOM M	ODE 2		Recommended for use Below 40 °F
	HS				9-channel: H/S/CCT control, dimmer, strobe, zoom, zoom reset, dimmer speed
		SS	P	9-channel: R/G/B/W, dimmer, strobe, zoom, zoom reset, dimmer speed	
PERSONALITY		TOU	JR	12-channel: R/G/B/W, dimmer, strobe, color macro, auto/custom, dimmer speed, auto speed, zoom, zoom reset	
	TR16				17-channel: 16-bit RGBW and dimmer; strobe, color macro, auto/custom, dimmer speed, auto speed, zoom, zoom reset
	STD.Y			17-channel: 16-bit RGBW and dimmer; strobe, color macro, auto/custom, dimmer speed, auto speed, zoom, zoom reset	
			RED		
			GREEN		Combines red, green, blue, and white to make
			BLUE		a custom color (0-100%)
			WHITE		
EDIT	PROGRAM	SCENE	ZOOM	000-	Changes the beam angle (zoom)
EDIT	01-10	01–30	STROBE	255	Selects the strobe frequency (0–25 Hz)
			TIME		Defines the step duration (slow to fast)
		FADE		Defines the fade duration (slow to fast)	



Menu Map (Cont.)

Main Level		Programming Levels				Description
				****		I lale de suetem programa de ette en
		UPL	OAD	(Enter Passcode)	SEND	Uploads custom programs to other COLORado 1 Solo products
		RES	SET	(Enter Pa		Defaults product to factory settings
				OF	F	No dimmer
				DIN	14	
		DIM	MER	DIN	13	Selects dimming profiles from
						fast (DIM1) to slow (DIM4) or OFF
				DIN	<b>/</b> 11	
		DMX E	RROR	SA	/E	Continues with last command upon loss of DMX control
				BLA	CK	Blacks out fixture upon loss of DMX
	**** (Enter Passcode)			600	Hz	
SETTING				1200	)Hz	
				2000Hz		
		PWM	2400Hz		Selects the PWM output frequency	
				6000Hz		
				18000Hz		
				25000Hz		
				WARM WHITE		Sets the color temperature when all color faders are set to 100%
				NEUTRAL WHITE		
			POWER			
			<b>J</b> 1	COOL WHITE#2		
				NORMAL		Manual color temperature
		XY OFF		HIDE		Shows and hides XY settings in PWM menu option
				SHOW		
KEY			ON			Turns the passcode on or off
			OFF			Tarris the passeode on or on
CALIB.C	**** (Enter	WHITE	WHITE	X FINE	+/-200	Modifies the color macros used in the <b>TOUR</b> ,
OALID.O	Passcode)		01-13	Y FINE	<del>+</del> /- <b>200</b>	TR16, HSIC, and STD.Y personality
	VERSION			V0.1		Shows installed software version
INFO	DDM	UID 0x21A40067		067	Displays Current UID #	
	RDM	LABEL C		COLORado 1 SoLo		Product Name



### Configuration (Standalone)

Use standalone configuration to operate the product without a DMX controller.

Auto Programs Auto programs allow for dynamic RGBW color mixing without a DMX controller.

- 1. Go to the AUTO PRPGRAM main level.
- 2. Select the desired auto (AUTO1-10) and (Speed 000-255) or custom program (PROGRAM1-10).



You cannot edit any of the auto programs (AUTO1-10); however, you can edit the custom programs (PROGRAM1-10). See Edit Custom Programs for details.

Edit Custom This setting allows the programming of up to 30 scenes for each of the 10 customizable Programs programs, including colors and effects.

- 1. Go to the **EDIT** main level.
- 2. Select the desired auto program (PROGRAM01-10).
- 3. Select the desired scene (SCENE 01-30).
- 4. Select the desired color or effect (RED, GREEN, BLUE, WHITE, STROBE, TIME, or FADE).
- 5. Select the color or effect value (000–255).
- 6. Repeat for the other colors or effects.
- 7. Return to the scene (SCENE 01-30) level.
- Repeat the settings of colors and effects for the other scenes.

Master/Slave The Master/Slave mode allows a group of COLORado 1 Solos (the slaves) to simultaneously duplicate the output of another COLORado 1 Solo (the master) without a DMX controller.

- Set each of the slaves:
  - a. Go to the RUN MODE main level.
  - b. Select **SLAVE**.
- Set the master:
  - a. Set the running mode to **DMX** as explained in **DMX** Control.
  - b. Select an auto or custom program as explained in Auto Programs, or a static mix of
- The master is the one that runs a program whether in Auto, Custom or Static Color mode.



- Do not connect a DMX controller to the products configured for Master/Slave operation. The DMX controller may interfere with signals from the master.
- The master should be the first product in the daisy chain.



Dimmer Profiles This setting determines how fast the output of the COLORado 1 Solo changes when you modify the values of the red, green, blue, white, and dimmer faders. This setting provides four different options to simulate the dimming curve of an incandescent lighting product.

- 1. Go to the **SETTING** main level.
- 2. Enter the master access passcode as described in Passcode.
- Select **DIMMER**.
- 4. Select a dimmer curve (OFF, DIM1, DIM2, DIM3, or DIM4).



OFF: The output is proportional (linear) to the dimmer and RGBW channel values.

DIM1-4: The output follows the dimmer and RGBW channel values based on the corresponding dimmer curve, **DIM1** being the fastest and **DIM4** the slowest.



For optimum control of the 16-bit dimming channels in the TR16 and STD.Y personalities, be sure that both dimming curves in SETTING > DIMMER are set to OFF.



When the control panel lock is active, the product will prompt you to enter the passcode after 30 seconds of control panel inactivity or after turning on the product. See Passcode.

Program Upload This option allows you to copy the custom programs of one COLORado 1 Solo onto other COLORado 1 Solo by using the Master/Slave mode.

- 1. Configure and connect the products in a Master/Slave arrangement, where the master has the custom programs you want to transfer to the slaves.
- 2. From the master, go to the **SETTING** main level.
- 3. Enter the master access passcode as shown in Passcode.
- Select UPLOAD.
- 5. Enter the master access passcode as shown in Passcode.
- 6. When **SEND** shows, press **<ENTER>** to start the upload.
- 7. Wait for the upload process to finish (the display will show END before continuing or turning the products off.

The master and slaves will provide the status of the process by lighting up as follows:



- Yellow indicates that the upload process is running. Green indicates that the upload process completed successfully.
- Red indicates that the upload process failed due to an error. Recheck all cable connections and restart the process. If the issue persists, contact Chauvet Technical Support.



DO NOT upload the data from a COLORado 1 Solo to a different product. The other product may become inoperative.

custom programs.

Reset This setting allows you to reset the COLORado 1 Solo to the default values, including the

- 1. Go to the **SETTING** main level.
- 2. Enter the master access passcode as described in Passcode.
- Select RESET.
- 4. Enter the master access passcode as described in <a href="Passcode">Passcode</a>.
- 5. Wait for the reset process to finish.



Whites Setting This setting allows you to select and edit the temperature of the white colors used in channel 6 (Macros) when in the TOUR mode, channel 11 when in the TR16 and STD.Y mode, or channel 5 when in the HSIC mode.

- 1. Go to the CALIB.C main level.
- Enter the master access passcode as described in Passcode.
- 3. Select a white color (WHITE > WHITE 01-13).
- 4. Select a white color sides (X FINE-Y Fine).
- Select a white color side value (+/- 200).
- 6. Repeat for the other colors.

Static Color The Static Color mode allows for permanent RGBW color mixing without a DMX controller.

- 1. Go to the **STATIC** main level.
- Select the desired color or effect (RED, GREEN, BLUE, WHITE, STROBE, or ZOOM).
- 3. Select the color or effect value (**000–255** for colors, strobe, and effect).
- 4. Repeat for the other colors or effects.

# Temperature

Color This setting controls the color temperature with preset white output options when all color faders are set to 100%.

- 1. Go to the **SETTING** main level.
- Settings 2. Enter the master access passcode as described in <u>Passcode</u>.
  - Select FULL POWER CCT.
  - 4. Choose a white output color temperature. (WARM WHITE, NEUTRAL WHITE, COOL WHITE#1, COOL WHITE#2, or NORMAL)

Zoom Mode These settings are to be changed when operating in environmental temperatures lower than 40 °F. The default setting for normal operating temperatures above 40 °F is **ZOOM MODE 1**.

- 1. Go to the **ZOOM MODE** main level.
- 2. Select **ZOOM MODE 1** for use in normal operating temperature environments or **ZOOM MODE 2** environmental temperatures lower than 40 °F.

LED Frequency This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the COLORado 1 Solo.

- 1. Go to the **SETTING** main level.
- Enter the master access passcode as described in Passcode.
- 3. Select PWM.
- Choose an output frequency. (600Hz, 1200Hz, 2000Hz, 2400Hz, 6000Hz, 18000Hz, or 25000Hz)

**Software** This option shows what version of software the COLORado 1 Solo is running.

### 1. Go to the **INFO** main level.

Information 2. Select VERSION and the version number will show on the screen.

**RDM** This option shows the product's **UID** # and the product name. 1. Go to the **RDM** main level.

- 2. Select **UID** and the version number will show on the screen.
- 3. Select **LABEL** and the product name will show on the screen.



# (DMX)

**Configuration** Use DMX configurations to operate the product with a DMX controller.

**DMX** This setting allows you to choose a particular DMX personality.

### Personalities

- 1. Go to the **PERSONALITY** main level.
- 2. Select the desired personality (TOUR, TR16, STD.Y, HSIC, or SSP).



- See the DMX Values section for the highest starting address you can select for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

DMX Control In this mode, each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison.

- 1. Select a DMX personality as shown in DMX Personalities.
- 2. Set the running mode:
  - a. Go to the **RUN MODE** main level.
  - b. Select the **DMX** programming level.
- 3. Set the starting address:
  - a. Go to ADDRESS main level.
  - b. Select the starting address (001–512).

### The highest recommended starting address for each DMX mode is as follows:



DMX Personality	DMX Address	DMX Personality	DMX Address	DMX Personality	DMX Address
TOUR	501	TR16	496	STD.Y	496
HSIC	504	SSP	504		

# Setting

Loss Of Signal This setting controls how the product will respond when the DMX signal is lost.

- 1. Go to the **SETTING** main level.
- 2. Enter the master access passcode as described in Passcode.
- Select DMX ERROR.
  - a. Select SAVE to make the product use the last command used when the signal is lost.
  - b. Select **BLACK** to turn off the all the LEDs when the signal is lost.



### **TOUR Notes**

These notes clarify the way the **TOUR** DMX personality works.

### Master Dimmer ·

- Channel 1 controls the intensity of the currently projected color.
- When the slider is at the highest position (100%), the intensity of the output is at maximum.

# Red, Green, Blue, and White Color Selection

- Channels 2 through 5 control the intensity ratio of each of the red, green, blue, and white LEDs.
- When these channels are at the highest position (100%), the intensity of each color is at maximum if **SETTING > COLOR** is **OFF**.
- You can combine channels 2 through 5 to create over one trillion colors.

### Color Macros ·

- Channel 6 selects the required color macro.
- Channel 6 has priority over channels 2 through 6.
- Channel 1 controls the intensity of the color macro.

### Strobe ·

- Channel 7 controls the strobe frequency (not the intensity) of channels 2 through 6.
- Channel 7 can strobe channels 2 through 5 when not running macros, allowing the individual faders (**R**, **G**, **B**, and **W**), as well as channel 1 (**D**), to control the output intensity.
- Channel 7 can strobe channel 6 when running macros, allowing channel 6 to select the macro and channel 1 to control the output intensity.

### Auto/Custom ·

- Channel 8 selects the preset auto programs **AUTO01–10** or the custom programs **PROGRAM1-10**.
- When activating the custom auto programs PROGRAM1-10, you can control the step time and fade time using channels 2 and 3, respectively.
- Channel 8 has priority over channels 2 through 7.
- · Channel 9 controls the speed at which each auto program plays.

### Zoom ·

- Channel 10 controls Zoom adjustment. This provides options to adjust the beam angle from 8 to 55 degrees.
- Channel 11 resets the zoom lens to the home position.

### Dimmer Speed ·

- Channel 12 selects the Dimmer mode and speed. Dimmer mode provides four different options to simulate the dimming curve of an incandescent lighting product.
- When dimmer is set to OFF, the changes in the RGBW and master dimmer faders are linear.
- When dimmer is set to DIM1-DIM4, DIM1 is the fastest dimmer curve and DIM4 is the slowest.



### **DMX Values**

STD.Y

1	Channel	Function	Value	Percent/Setting
	1	Dimmer	000෮ 255	0–100%
_	2	Dimmer Fine	000ර 255	Fine control (16-bit) ( <b>Step Duration</b> if <b>Custom 1–10</b> in <b>CH. 13</b> is active)
-	3	Red	0006 255	0–100% (Fade Duration if Custom 1–10 in CH. 13 is active)
	4	Red Fine	000ó 255	Fine control (16-bit)
_	5	Green	000෮ 255	0–100%
	6	Green Fine	000ó 255	Fine control (16-bit)
_	7	Blue	000ó 255	0–100%
_	8	Blue Fine	000ó 255	Fine control (16-bit)
_	9	White	000ó 255	0–100%
	10	White Fine	000ó 255	Fine control (16-bit)
	11	Color Macro	0316 050 0516 070 0716 090 0916 110 1116 130 1316 150 1516 170 1716 195 1966 200 2016 205 2016 210 2116 225 2166 220 2216 225 2266 230 2316 240 2416 245	No function R: 100% G: 0-100% B: 0 R: 100%-0 G: 100% B: 0 R: 0 G: 100% B: 0-100% R: 0 G: 100%-0 B: 100% R: 0-100% G: 0 B: 100% R: 100% G: 0 B: 100%-0 R: 100% G: 0-100% B: 0-100% R: 100%-0 G: 100%-0 B: 100% R: 100% G: 100%-0 B: 100% White 1 White 2 White 3 White 4 White 5 White 6 White 7 White 8 White 9 White 10 White 11 White 12
-	12	Strobe Effect	000ó 009 010ó 099 100ó 109 110ó 179 180ó 189	No function 0–25 Hz No function Lightning Strobe No function Random Strobe



aiues	(00111.)			
	Channel	Function	Value	Percent/Setting
(Cont.)			0006 040	No function
			0416 050	
			0516 060	Auto 2
			0616 070	Auto 3
			0716 080	Auto 4
			0816 090	
			0916 100	
			1016 110	
			1116 120	
			1216 130	
	13	Programs	1316 140	
			1416 150	
			1516 160	
			161ó 170	
			171 ó 180 181 ó 190	
			1916 200	
			2016 210	
			2116 220	
			2216 230	
				Custom 10
-	14	Auto Speed		0–100% (Only when using <b>Auto 1–10</b> )
-	15	Zoom	000෮ 255	0–100%
-			000෮ 200	No function
	16	Zoom Control		Zoom reset
			2216 255	No function
·-			000ర 009	Preset dimmer speed from display menu
			0106 029	Linear dimmer
	17	Dimmer Speed		Nonlinear dimming curve 1 (fastest)
	17	Diminier opecu		Nonlinear dimming curve 2
				Nonlinear dimming curve 3
			1906 255	Nonlinear dimming curve 4 (slowest)



TR16 Chanr

6	Channel	Function	Value	Percent/Setting
-	1	Dimmer	000ó 255	0–100%
	2	Dimmer Fine	0006 255	Fine control (16-bit) ( <b>Step Duration</b> if <b>Custom 1–10</b> in <b>CH. 13</b> is active)
	3	Red	0006 255	0–100% (Fade Duration if Custom 1–10 in CH. 13 is active)
	4	Red Fine	000ó 255	Fine control (16-bit)
	5	Green	000ó 255	0–100%
	6	Green Fine	000෮ 255	Fine control (16-bit)
_	7	Blue	000෮ 255	0–100%
_	8	Blue Fine	000෮ 255	Fine control (16-bit)
_	9	White	000෮ 255	0–100%
_	10	White Fine	000෮ 255	Fine control (16-bit)
	11	Color Macro	0116 030 0316 050 0516 070 0716 090 0916 110 1116 130 1316 150 1516 170 1716 195 1966 200 2016 205 2066 210 2116 225 2166 220 2216 225 2266 230 2316 235 2366 240	White 1 White 2 White 3 White 4 White 5 White 6 White 7 White 8 White 9 White 10 White 11
_	12	Strobe Effect	0006 009 0106 099 1006 109 1106 179 1806 189	No function 0–25 Hz No function Lightning Strobe No function Random Strobe



alues (Colli.)					
	Channel	Function	Value	Percent/Setting	
(Cont.)			000ó 040	No function	
			0416 050	Auto 1	
			0516 060	Auto 2	
			061ó 070	Auto 3	
			0716 080		
			0816 090		
			0916100		
			1016 110		
			1116 120		
			1216 130		
	13	Programs	1316 140		
			1416 150		
			1516 160		
			161 ó 170 171 ó 180		
			181ó 190		
			1916 200		
			2016 210		
			2116 220		
			2216 230	Custom 9	
. <u>-</u>			2316 255	Custom 10	
-	14	Auto Speed	0006 255	0–100% (Only when using <b>Auto 1–10</b> )	
-	15	Zoom	0006 255	0–100%	
				No function	
	16	Zoom Control		Zoom reset	
-			2216 255	No function	
				Preset dimmer speed from display menu	
		Dimmer Speed		Linear dimmer	
	17			Nonlinear dimming curve 1 (fastest)	
	••			Nonlinear dimming curve 2	
				Nonlinear dimming curve 3	
			1900 255	Nonlinear dimming curve 4 (slowest)	



# DMX Values (Cont.) TOUR Channel

Channel	Function	Value	Percent/Setting		
1	Dimmer	000෮ 255	0–100%		
2	Red	0006 255	Fine control (16-bit) ( <b>Step Duration</b> if <b>Custom 1–10</b> in <b>CH. 8</b> is active)		
3	Green	0006 255	0–100% (Fade Duration if Custom 1–10 in CH. 8 is active)		
4	Blue	000ó 255	0–100%		
5	White	000ó 255	0–100%		
6	Color Macro	0116 030 0316 050 0516 070 0716 090 0916 110 1116 130 1316 150 1516 170 1716 195 1966 200 2016 205 2066 210 2116 225 2266 230 2216 225 2266 230 2316 240 2416 250 2516 255	No function R: 100% G: 0-100% B: 0 R: 100%-0 G: 100% B: 0 R: 0 G: 100% B: 0-100% R: 0 G: 100%-0 B: 100% R: 0-100% G: 0 B: 100% R: 100% G: 0 B: 100%-0 R: 100% G: 0-100% B: 0-100% R: 100%-0 G: 100%-0 B: 100% R: 100% G: 100%-0 B: 100% White 1 White 2 White 3 White 4 White 5 White 6 White 7 White 8 White 9 White 10 White 11 White 12		
7	Strobe Effect	180ó 189	No function 0–25 Hz No function Lightning Strobe No function Random Strobe		



value5	s (Cont.)						
TOUR Channel		Function	Value	Percent/Setting			
(Cont.)	8	Programs	0006 040 0416 050 0516 060 0616 070 0716 080 0816 090 0916 100 1016 110 1116 120 1216 130 1316 140 1416 150 1516 160 1616 170 1716 180 1816 190 1916 200 2016 210 2216 230	No function Auto 1 Auto 2 Auto 3 Auto 4 Auto 5 Auto 6 Auto 7 Auto 8 Auto 9 Auto 10 Custom 1 Custom 2 Custom 3 Custom 4 Custom 5 Custom 6 Custom 7 Custom 8			
<u>-</u>	9	Auto Speed	000ó 255	0–100% (Only when using <b>Auto 1–10</b> )			
_	10	Zoom	000ó 255	0–100%			
	11	Zoom Control	201ó 220	No function Zoom reset No function			
	12	Dimmer Speed	0106 029 0306 069 0706 129 1306 189	Preset dimmer speed from display menu Linear dimmer Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 Nonlinear dimming curve 4 (slowest)			



SSP

Channel	Function	Value	Percent/Setting		
1	Dimmer	000෮ 255	0–100%		
2	Red	000ó 255	5 0–100%		
3	<b>Green</b> 000 ≤ 255 0−100%		0–100%		
4	Blue	000ó 255	0–100%		
5	White	000ó 255	0–100%		
6	Strobe Effect	0106 099 1006 109 1106 179 1806 189	0–25 Hz		
7	Zoom	000ó 255	5 0–100%		
8	Zoom Control	201ó 220	No function Zoom reset No function		
9 Dimmer Speed 0106 0306 00 0706 13 1306 18		0106 029 0306 069 0706 129 1306 189	Preset dimmer speed from display menu Linear dimmer Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 Nonlinear dimming curve 4 (slowest)		



# DMX Values (Cont.) HSIC Channel

Channel	Function	Value	Percent/Setting		
1	Dimmer	000ó 255	0–100%		
2	Hue	000ó 255	0–100%		
3	Hue Fine	000ó 255	0–100%		
4	Saturation	000ó 255	0–100%		
5	Color Macro	0006 010 0116 030 0316 050 0516 070 0716 090 0916 110 1116 130 1316 150 1516 170 1716 190 1916 210 2116 230 2316 255	White 1 White 2 White 3 White 4 White 5 White 6 White 7 White 8 White 9 White 10 White 11		
6 Strobe Effect		0106 099 1006 109 1106 179 1806 189	No function 0–25 Hz No function Lightning Strobe No function Random Strobe		
7	Zoom	000ó 255	0–100%		
8         Zoom Control         000 ó 200 200 200 200 200 200 200 200 20		Zoom reset			
9 Dimmer Speed 0106 02 0306 06 0706 12 1306 18			Preset dimmer speed from display menu Linear dimmer Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 Nonlinear dimming curve 4 (slowest)		



### 5. Technical Information

### Product Maintenance

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

Maintenance

As a rule, 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 your 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.
- Clean all external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- 5. Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- 6. Wipe any dirt or grime to the outside edges of the lens surface.
- 7. Gently polish the lens surfaces until they are free of haze and lint.

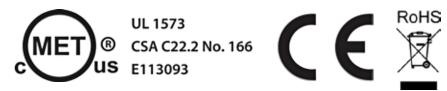


Always dry the external surfaces thoroughly and carefully after cleaning them.



# 6. Technical Specifications

	ш оросииса			
imensions and	Length	Width	Height	Weight
Weight	,	6.93 in (176 mm)	9.53 in (242 m	, , , , , , , , , , , , , , , , , , , ,
	Note: Dime	ensions in inches roun	ded to the nearest	t decimal digit.
Power	Power Supply Type	Ran	ge	Voltage Selection
	Switching (internal)	100–240 VA	C, 50/60 Hz	Auto-ranging
	Parameter	120 VAC	, 60 Hz	230 VAC, 50 Hz
	Consumption	65 '	W	65 W
	Current	0.54	8 A	0.297 A
	Power linking current (products)	13.6 A (24	products)	8 A (45 products)
	Power I/O	U.S./Ca	anada	Worldwide
	Power input connector	Seetronic Pov	werkon IP65	Seetronic Powerkon IP65
	Power output connector			Seetronic Powerkon IP65
	Power cord plug	Edison	(U.S.)	Local plug
Light Source	Туре	Pow	/er	Lifespan
	LED	60 '	W	50,000 hours
	Color	Quar	ntity	Current
	quad-color RGBW	1		4 A
Photometrics	Parameter	Narrow	Zoom	Wide Zoom
	Illuminance @ 5 m	5,370	) lux	97 lux
	Beam angle	4°		40°
	Field angle	8°	)	55°
Thermal	Max. External Temperatu	ure Cooling	System	
	113 °F (45 °C)	Conve	ction	
DMX	I/O Connectors	Connect	or Type	Channel Range
	Seetronic IP65 5-pin XLI	R Sock	ets	9, 12 or 17
Ordering	<b>Product Name</b>	Item C	Code	<b>UPC Number</b>
	COLORado 1 Solo	01031	1124	781462214722









### 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.

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



DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number, include the following information on a piece of paper inside the box:

- Your name
- Your address
- · Your phone number
- · The RMA number
- A brief description of the problem(s)

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



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



# Contact Us

	General Information	Technical Support		
Chauve	et World Headquarters			
Address	s: 5200 NW 108th Avenue	Voice: (844) 393-7575		
	Sunrise, FL 33351	Email: chauvetcs@chauvetlighting.com		
	Voice: (954) 577-4455			
	Toll free: (800) 762-1084	Website:		
		www.chauvetprofessional.com		
	et Europe Ltd			
Address	s: Unit 1C	Email: uktech@chauvetlighting.com		
	Brookhill Road Industrial Estate			
	Pinxton, Nottingham, UK	Website: www.chauvetlighting.co.uk		
Voice:	NG16 6NT +44 (0)1773 511115			
voice:	+44 (0)1773 511115			
Chauve	et Europe BVBA			
Address	s: Stokstraat 18	Email: Eutech@chauvetlighting.com		
	9770 Kruishoutem			
	Belgium	Website: www.chauvetlighting.eu		
Voice:	+32 9 388 93 97			
Chauve	et France			
Address	s: 3, Rue Ampère	Email: Eutech@chauvetlighting.com		
	91380 Chilly-Mazarin			
	France	Website: www.chauvetlighting.eu		
Voice:	+33 1 78 85 33 59			
	et Germany	For the Foot and Make an addition and the		
Address	s: Bruno-Bürgel-Str. 11 28759 Bremen	Email: Eutech@chauvetlighting.com		
	Germany	Website: www.chauvetlighting.eu		
Voice:	+49 421 62 60 20	website. www.criadvetiightiiig.eu		
	et Mexico			
Address	s: Av. de las Partidas 34-3B	Email: servicio@chauvet.com.mx		
	(Entrance by Calle 2)			
	Zona Industrial Lerma	Website:		
	Lerma, Mexico C.P. 52000	www.chauvetprofessional.mx		
Voice:	+52 (728) 690-2010			

Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of record. Follow the instructions to request support or to return a product. Visit our website for contact details