COLORado™ 1-Quad TOUR

User Manual

CHAUVET®

It's Green Thinking™

Edition Notes

The COLORado™ 1 Quad Tour User Manual Rev. 2 covers the description, safety precautions, installation, programming, operation, and maintenance of the COLORado™ 1 Quad Tour. CHAUVET® released this edition of the COLORado™ 1 Quad Tour User Manual in March 2012.

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Document Printing

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 Audience

Any person in charge of 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

The COLORado™ 1 Quad Tour User Manual Rev. 2 supersedes all previous versions of this manual. Discard any older versions of this manual you may have, whether in printed or electronic format, and replace with this version.

Author	Date	Editor	Date
D. Couppe	3/14/12	S. Graham	3/15/12

Table of Contents

1. Before You Begin

What Is Included
- One COLORado™ 1 Quad Tour
- One Neutrik® powerCON® to Edison Plug Input Power Cord
- One Gel Frame
- One Gel Frame Holder
- One Safety Cable
- One Warranty Card
- One Quick Reference Guide

Unpacking Instructions
Immediately upon receiving this product, carefully unpack the items and inspect the box. Make sure you have received all the parts indicated above and that all the parts are in good condition.

Claims
If the box or contents appear damaged from shipping, or show signs of mishandling, notify the carrier immediately upon receipt, not CHAUVET®. Failure to notify the carrier in a timely manner may invalidate your claim. In addition, keep the container and all the packing material 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 seven (7) days of receiving the merchandise.

See Contact Us for addresses and phone numbers.

Typographic Conventions

Convention	Meaning
1~512	A range of values in the text
50/60	A set of mutually exclusive values in the text
Claims	A new term, another document reference, or section or chapter in this document
<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

Symbol	Meaning
⚠	Critical installation, configuration, or operation information. Failure to comply with this information may render the product partially or completely inoperative, damage third-party equipment, or cause harm to the user.
ⓘ	Important installation or configuration information. Failure to comply with this information may prevent the product from functioning correctly.
📝	Useful information.

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

Product at a Glance

Use on Dimmer	🚫	Auto Programs	✓
Outdoor Use	🚫	Auto-Ranging Power Supply	✓
Sound Activated	🚫	Replaceable Fuse	🚫
DMX	✓	User Serviceable	🚫
Master/Slave	✓	Duty Cycle	🚫

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.

⚠️ **There are no user-serviceable parts in this product. Any reference to servicing in this User Manual applies only to properly certified CHAUVET® technicians. Do not open the housing or attempt any repairs unless you are certified by CHAUVET®.**

ⓘ **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

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture.
- 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 (included).

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.
- 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 104° F (40° 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 may require 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

The COLORado™ 1 Quad Tour is a high-power quad color RGBW LED wash product. This product consists of a single module that houses the internal power supply, the main control, the control panel, the LED drivers, the LED boards, as well as the power and signal connectors. The COLORado™ 1 Quad Tour includes one double-bracketed yoke that can be both a floor mount and hanging support bracket.

Features

- 3, 4, 5, 6, or 10 Quad Color LED wash product
- Operating modes:
  - 3-channel: RGB control
  - 3-channel: HSV control
  - 4-channel: RGB, dimmer
  - 4-channel: RGBW
  - 5-channel: RGBW, dimmer
  - 6-channel: RGBW, dimmer, strobe
  - 10-channel: RGBW, dimmer, strobe, macro, auto/custom, dimmer curve, auto speed
- RGBW color mixing with or without DMX controller
- 11 Color temperature presets
- Built-in automated programs via Master/Slave, DMX
- Recall custom programs via Master/Slave or DMX
- Five distinct dimming curves
- RGBW Quad Color LEDs
- Electronic dimmer
- Color macros with speed adjustment included
- Electronic power supply
- NEUTRIK® powerCON® connectors
- Additional power output: max 11 products @ 120 VAC/21 products @ 230 VAC
- 3- and 5-pin DMX input and output connectors

Product Overview

Quad Color LEDs

Front View

Power In

Power Out

DMX In

DMXOut

Control Panel

Rear View

Adjustment Knob

Safety Cable Loop

Double-bracketed Yoke

Side View

Product Dimensions

12.6 in
319 mm

11.1 in
281 mm

4.1 in
105 mm

3.8 in
97 mm

9.4 in
239 mm

8.7 in
220 mm

POWER IN   POWER OUT
DMX IN   DMX OUT
MENU ENTER UP DOWN
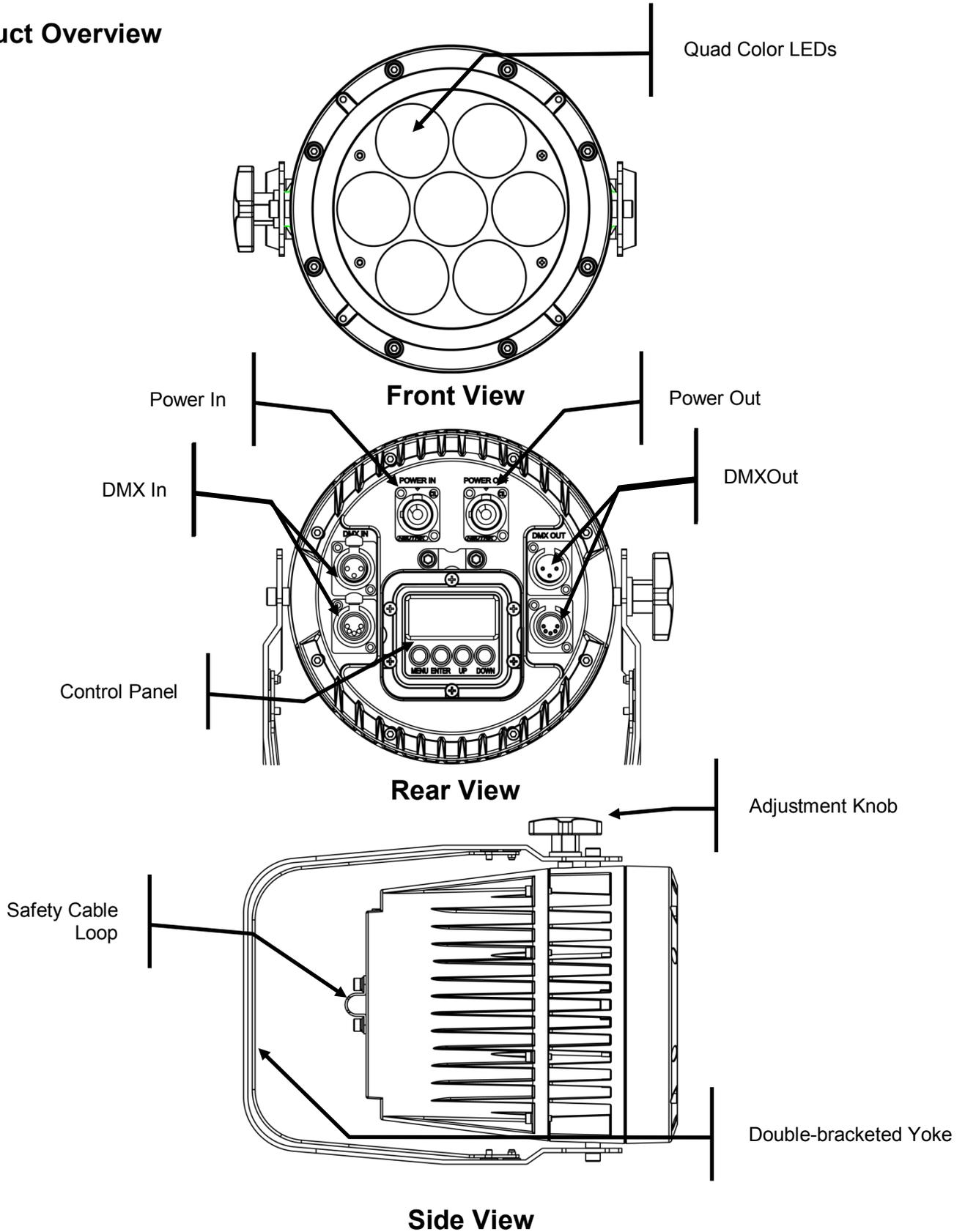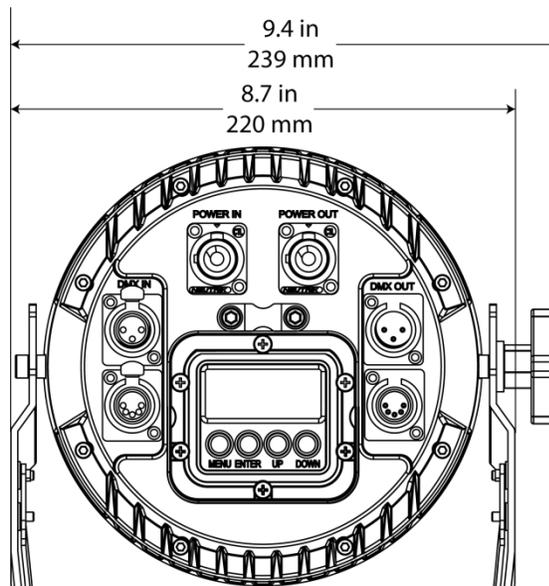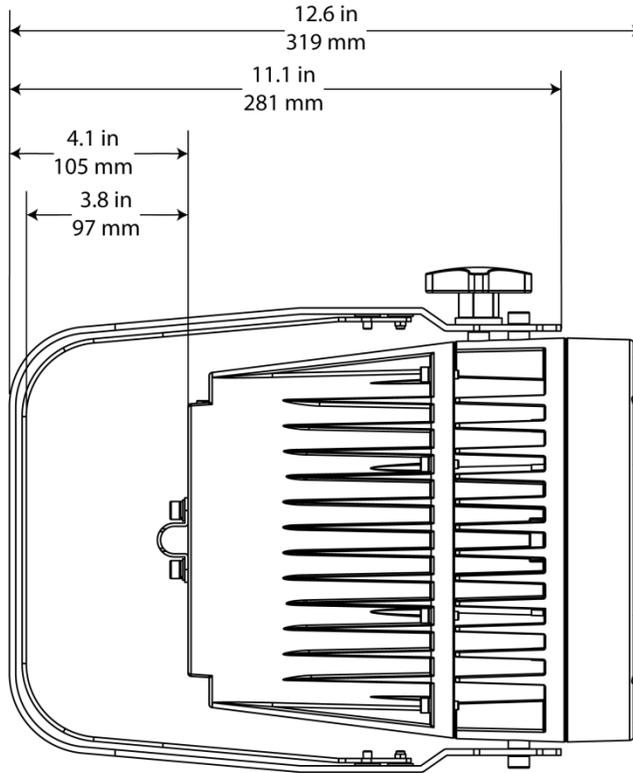
3. Setup

AC Power

The COLORado™ 1 Quad Tour has an auto-ranging power supply that works with an input voltage range of 100~240 VAC, 50/60 Hz.

Make sure that you are connecting this product to the proper voltage. To determine the power requirements for the COLORado™ 1 Quad Tour, refer to the specification label affixed to the product or the specifications in this manual.

See the Technical Specifications.

Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

The listed current rating indicates the maximum current draw during normal operation. For more information, download **Sizing Circuit Breakers** from the CHAUVET® website: www.chauvetpro.com.

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.

AC Plug

The COLORado™ 1 Quad Tour comes with a power input cord terminated with a Neutrik® powerCON® 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	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 COLORado™ 1 Quad Tour supports power linking. You can power link up to 11 products at 120 VAC.

This product comes with a power input cord. This product does not come with a power linking cable; however, a power linking cable is available as an option.

DMX Linking

You can link the COLORado™ 1 Quad Tour to a DMX controller using a standard DMX serial connection. If using other DMX compatible products with the COLORado™ 1 Quad Tour, you can control each individually with a single DMX controller.

DMX Modes

The COLORado™ 1 Quad Tour uses the standard DMX data connection for the **TOUR**, **ARC.1**, **AR1.D**, **ARC.2**, **AR2.D**, **AR2.S**, and **HSV** DMX modes.

Refer to the Introduction chapter for a brief description of these modes.

Refer to the Operation chapter to learn how to configure the COLORado™ 1 Quad Tour to work in these modes.

The DMX Values section provides detailed information regarding the DMX modes.

Master/Slave Connectivity

The Master/Slave mode allows a COLORado™ 1 Quad Tour (the "master product") to control one or more COLORado™ 1 Quad Tours (the "slave products") without a DMX controller. One COLORado™ 1 Quad Tour becomes the master product when running an Auto or Custom program, or by being in Static (**STAT**) mode.

You must configure each slave product's control panel to operate in Slave (**SLAV**) mode. During Master/Slave operation, the slave products will operate in unison with the master product.

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.chauvetpro.com.

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 product.

The Operation chapter of this manual provides detailed instructions on how to configure the Master and Slave products.

Mounting
Orientation

Before mounting this product, read and follow the Safety Notes in this manual.

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

Rigging

The COLORado™ 1 Quad Tour consists of a double-bracketed yoke and the body of the product 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.
- Never mount in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect the product.
- If hanging this product, make sure that the mounting location can support the product's weight. Refer to the Technical Specifications chart for the weight-bearing requirements of this product.
- When hanging this product, always secure to a fastening device using a safety cable (included).

Procedure

The COLORado™ 1 Quad Tour 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. You will have to use at least one mounting point per product.

Product Mounting Diagram

Clamp

Safety Cable

Floor Mounting

Overhead Mounting
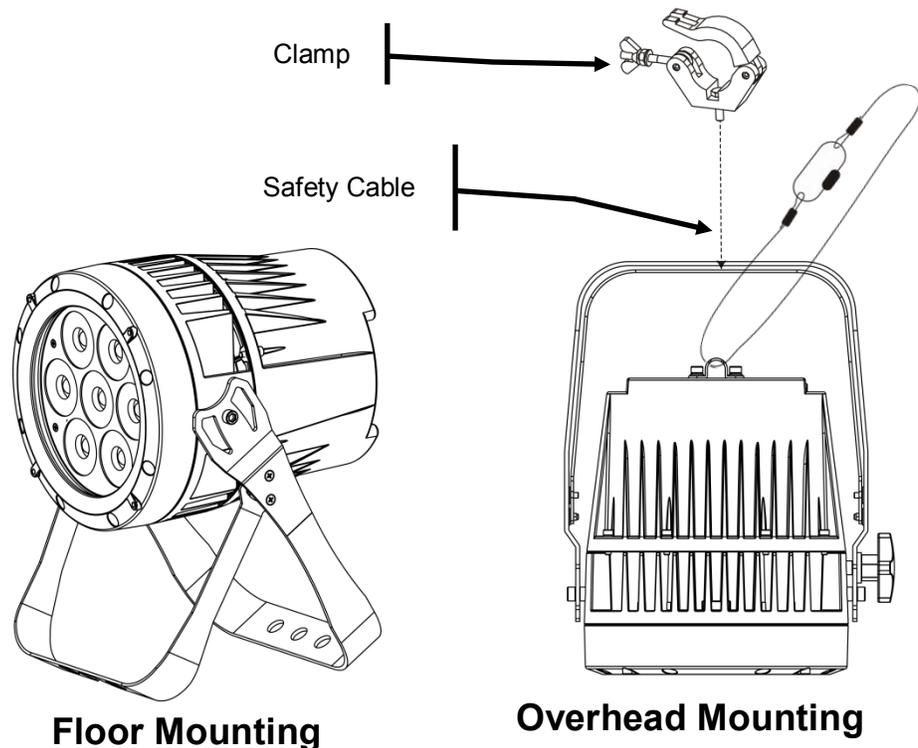
4. Operation

Control Panel Description

| 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 and increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list and decreases the numeric value when in a function

MENU ENTER UP DOWN
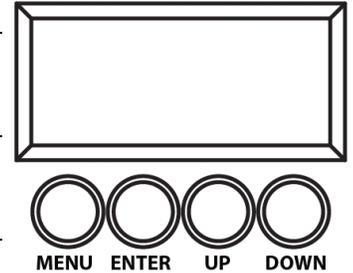
Control Options

You can set the COLORado™ 1 Quad Tour start address in the 001~512 DMX range. This enables control of up to 51 products in the 10-channel **TOUR** 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,.

DMX Personality

This setting allows you to choose a particular DMX personality.
1. Go to the **PERS** main level.
2. Select the desired personality (**TOUR**, **ARC.1**, **AR1.D**, **ARC.2**, **AR2.D**, **AR2.S**, or **HSV**).

- **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 Personality.
2. Set the running mode:
   a. Go to the **RUN** main level.
   b. Select the **DMX** programming level.
3. Set the starting address:
   a. Go to **DMX** main level.
   b. Select the starting address (**001~512**).

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

DMX Mode	DMX Address	DMX Mode	DMX Address	DMX Mode	DMX Address
TOUR	503	**ARC.2**	509	**HSV**	510
ARC.1	510	**AR2.D**	508		
AR1.D	509	**AR2.S**	507		

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

1. Go to the **SET** main level, then select **DERR**.
    a. Select **SAVE** to make the product use the last command used when the signal is lost.
    b. Select **BLAK** to turn off the all the LEDs when the signal is lost.

Static Color

The Static Color mode allows for permanent RGBW color mixing without a DMX controller.
1. Go to the **STAT** main level.
2. Select the desired color (**RED**, **GREN**, **BLUE**, or **WHIT**).
3. Select the desired color value (**000~255**).
4. Repeat for the other colors.
5. Select **STRB**.
6. Select the desired frequency (**00~20**).

Auto Programs

Auto programs allow for dynamic RGBW color mixing without a DMX controller.
1. Go to **AUTO**.
2. Select the desired auto (**AT. 01~10**) or custom program (**PR. 01~10**).

You cannot edit any of the auto programs (AUTO 01~10). However, you can edit the custom programs (PR.01~10). See *Edit Customs* **below for details.**

Edit Customs

This setting allows the programming of up to 30 scenes for each of the 10 customizable programs, including colors and effects.
1. Go to the **EDIT** main level.
2. Select the desired auto program (**PR. 01~10**).
3. Select the desired scene (**SC. 01~30**).
4. Select the desired color or effect (**RED**, **GREN**, **BLUE**, **WHIT**, **STRB**, **TIME**, or **FADE**).
5. Select the color or effect value (**000~255** for colors and timers, or **00~20** for strobe).
6. Repeat for the other colors or effects.
7. Return to the scene (**SC. 01~30)** level.
8. Repeat the settings of colors and effects for the other scenes.

Master/Slave

The Master/Slave mode allows a group of COLORado™ 1 Quad Tours (the slave products) to simultaneously duplicate the output of another COLORado™ 1 Quad Tour (the master product) without a DMX controller.
1. Set each of the slave products:
    a. Go to **RUN**.
    b. Select **SLAVE**.
2. Set the master product:
    a. Set the running mode to **DMX** as explained in DMX Control.
    b. Select an auto or custom program as explained in *Auto Programs* above, or a static mix of colors.

- **The master product 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 product.**
- **The master product should be the first product in the daisy chain.**

Color Settings

The **COLOR** setting determines how the COLORado™ 1 Quad Tour generates the white color based on various RGB settings.

1. Go to the **SET** main level.
2. Select **COLO**.
3. Select **OFF**, **RGB.W**, or **UC**.

OFF:	When all the RGB faders are set to **255**, the output is maximum, although the resulting white color may not be balanced.
RGB.W:	When all the RGB faders are set to **255**, the resulting output is defined by the configured White color (see White Calibration).
UC:	When all the RGB faders are set to **255**, the output matches that of less efficient products (Universal Color).

Dimmer Curves

This setting determines how fast the output of the COLORado™ 1 Quad Tour 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 **SET** main level.
2. Select **DIM**.
3. 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, being **DIM1** the fastest and **DIM4** the slowest.

Control Panel Lock

This setting enables you to activate or disable the control panel lock, which keeps non-authorized personnel from changing the product's settings.

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

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

After being prompted to enter the password:

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

Program Upload

This option allows you to copy the custom programs of one COLORado™ 1 Quad Tour onto other COLORado™ 1 Quad Tour by using the Master/Slave mode.

1. Configure and connect the products in a Master/Slave arrangement, where the master product has the custom programs you want to transfer to the slave products.
2. From the master product, go to the **SET** main level.
3. Select **UPLD**.
4. When **PASS** shows, press **<ENTER>**.
5. Enter the master access password as shown in Control Panel Lock.
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/Slave products 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 Quad Tour to a different product. The other product may become inoperative.**

Reset

This setting allows you to reset the COLORado™ 1 Quad Tour to the default values, including the custom programs.

1. Go to the **SET** main level.
2. Select **REST**.
3. When **PASS** shows, press **<ENTER>**.
4. Enter the master access password as described in Control Panel Lock.
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.

1. Go to the **CAL** main level.
2. Enter the master access password as described in Control Panel Lock
3. Go to **CAL1**.
4. Select a white color (**WH.01~11**).
5. Select a color (**RED**, **GREN**, **BLUE**, or **WHIT**).
6. Select a color value (**000~255**).
7. Repeat for the other colors.

White Calibration

This setting allows you to select the white color shown by the COLORado™ 1 Quad Tour when the color setting is **RGB.W** and the DMX controller's Red, Green, and Blue faders are set to "255."

1. Go to the **CAL** main level.
2. Enter the master access password as described in Control Panel Lock
3. Go to **CAL2**.
4. Select a color (**RED**, **GREN**, or **BLUE**).
5. Select a color value (**000~255**).
6. Repeat for the other colors.

✎ **When selecting CAL > CAL2 > RGB.W, you will only be able to define the values of RED, GREN (green), and BLUE.**

ⓘ **The values of RED, GREN (green), and BLUE configured from CAL > CAL2 > RGB.W will define the color temperature shown when the RGB faders are set to "255" if SET > COLO > RGB.W is active.**

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 **SET > COLO** 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 **AT.01~10** or the custom programs **PR.01~10**.
	• When activating the custom Auto programs **PR.01~10**, 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.
Dimmer Speed	• Channel 10 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.

Menu Map

Main Level	Programming Levels			Description
STAT	**RED**	**000~255** (0~100%)		User can combine Red, Green, Blue and White to generate a custom color
	GREN			
	BLUE			
	WHIT			
	STRB	**00~20** (0~20 Hz)		Select a strobe frequency (0~20 Hz)
AUTO	**AT. 1~10**			Choose from 10 automatic programs
	PR. 1~10			Choose from 10 customizable programs
DMX	**001~512**			Sets the DMX starting address
RUN	**DMX**			Receives signals from DMX controller
	SLAV			Receives signals from Master unit
PERS	**ARC.1**			3-channel: RGB control
	AR1.D			4-channel: RGB, dimmer
	ARC.2			4-channel: RGBW
	AR2.D			5-channel: RGBW, dimmer
	AR2.S			6-channel: RGBW, dimmer, strobe
	HSV			3-channel: HSV control
	TOUR			10-channel: RGBW, dimmer, strobe, macro, auto/custom, dimmer speed, auto speed
EDIT	**PR. (1~10)**	**SC. (1~30)**	**RED** **000~255** (0~100%)	User can combine Red, Green, Blue, and White to generate a custom color (0~100%)
			GREN	
			BLUE	
			WHIT	
			STRB **00~20** (0~20 Hz)	Selects the strobe frequency (0~20 Hz)
			TIME **000~255** (0~100%)	Defines the step duration (0~100%)
			FADE	Defines the fade duration (0~100%)

Continues on the next page

Main Level	Programming Levels					Description
SET	UPLD		Enter password			Defaults product
	REST		Enter password			Defaults product
	DIM		OFF			No dimmer
			DIM1~4			Dimmer speed
	DERR		BLAK			All LEDs turn off when DMX signal is lost
			SAVE			All LEDs stay on the last command used when the DMX signal is lost
	COLO		OFF			RGB set to "255" = max. output
			RGBW			RGB set to "255" = balanced white
			UC			Universal color balance
KEY	On/Off					Turns the password on or off
CAL	Enter password	CAL1	WH. (1~11)	RED	000~255 (0~100%)	Modifies the color macros used in the **TOUR** personality
				GREN		
				BLUE		
				WHIT		
		CAL2	RED	000~255 (0~100%)		Defines the color temperature used when **COLOR** is set to **RGB** to **W**
			GREN			
			BLUE			

DMX Values

	Channel	Function	Value	Percent/Setting
TOUR	1	**Dimmer**	000 ⇔ 255	0~100%
	2	**Red**	000 ⇔ 255	0~100%
		Step Time		When CUS. 01-10 in CH. 8 is activated
	3	**Green**	000 ⇔ 255	0~100%
		Step Time		When CUS. 01-10 in CH. 8 is activated
	4	**Blue**	000 ⇔ 255	0~100%
	5	**White**	000 ⇔ 255	0~100%
	6	**Color Macro + White Balance**	000 ⇔ 010	No Function
			011 ⇔ 030	R: 100% G: 0~100% B: 0%
			031 ⇔ 050	R: 100~0% G: 100% B: 0%
			051 ⇔ 070	R: 0% G: 100% B: 0~100%
			071 ⇔ 090	R: 0% G: 100~0% B: 100%
			091 ⇔ 110	R: 0~100% G: 0% B: 100%
			111 ⇔ 130	R: 100% G: 0% B: 100~0%
			131 ⇔ 150	R: 100% G: 0~100% B: 0~100%
			151 ⇔ 170	R: 100~0% G: 100~0% B: 100%
			171 ⇔ 200	R: 100% G: 100% B: 100% W: 100%
			201 ⇔ 205	White 1
			206 ⇔ 210	White 2
			211 ⇔ 215	White 3
			216 ⇔ 220	White 4
			221 ⇔ 225	White 5
			226 ⇔ 230	White 6
			231 ⇔ 235	White 7
			236 ⇔ 240	White 8
			241 ⇔ 245	White 9
			246 ⇔ 250	White 10
			251 ⇔ 255	White 11:
	7	**Strobe**	000 ⇔ 009	No Function
			010 ⇔ 255	0~20 Hz
	8	**Auto + Custom Programs**	000 ⇔ 040	No Function
			041 ⇔ 049	Auto 1
			050 ⇔ 059	Auto 2
			060 ⇔ 069	Auto 3
			070 ⇔ 079	Auto 4
			080 ⇔ 089	Auto 5
			090 ⇔ 099	Auto 6
			100 ⇔ 109	Auto 7
			110 ⇔ 119	Auto 8
			120 ⇔ 129	Auto 9
			130 ⇔ 139	Auto 10
			140 ⇔ 149	Custom 1
			150 ⇔ 159	Custom 2
			160 ⇔ 169	Custom 3
			170 ⇔ 179	Custom 4
			180 ⇔ 189	Custom 5
			190 ⇔ 199	Custom 6
			200 ⇔ 209	Custom 7
			210 ⇔ 219	Custom 8
			220 ⇔ 229	Custom 9
			230 ⇔ 255	Custom 10

Continues on the next page

TOUR (cont.)	Channel	Function	Value	Percent/Setting
	9	**Auto Speed**	000 ⇔ 255	Only when CH. 8 is Auto 1~10 is activated
	10	**Dimmer Speed**	000 ⇔ 009	Preset dimmer speed from display menu
			010 ⇔ 029	Linear dimmer
			030 ⇔ 069	Nonlinear dimming curve 1 (fastest)
			070 ⇔ 129	Nonlinear dimming curve 2
			130 ⇔ 189	Nonlinear dimming curve 3
			190 ⇔ 255	Nonlinear dimming curve 4 (slowest)

ARC.1	Channel	Function	Value	Percent/Setting
	1	**Red**	000 ⇔ 255	0~100%
	2	**Green**	000 ⇔ 255	0~100%
	3	**Blue**	000 ⇔ 255	0~100%

AR1.D	Channel	Function	Value	Percent/Setting
	1	**Dimmer**	000 ⇔ 255	0~100%
	2	**Red**	000 ⇔ 255	0~100%
	3	**Green**	000 ⇔ 255	0~100%
	4	**Blue**	000 ⇔ 255	0~100%

ARC.2	Channel	Function	Value	Percent/Setting
	1	**Red**	000 ⇔ 255	0~100%
	2	**Green**	000 ⇔ 255	0~100%
	3	**Blue**	000 ⇔ 255	0~100%
	4	**White**	000 ⇔ 255	0~100%

AR2.D	Channel	Function	Value	Percent/Setting
	1	**Dimmer**	000 ⇔ 255	0~100%
	2	**Red**	000 ⇔ 255	0~100%
	3	**Green**	000 ⇔ 255	0~100%
	4	**Blue**	000 ⇔ 255	0~100%
	5	**White**	000 ⇔ 255	0~100%

AR2.S	Channel	Function	Value	Percent/Setting
	1	**Dimmer**	000 ⇔ 255	0~100%
	2	**Red**	000 ⇔ 255	0~100%
	3	**Green**	000 ⇔ 255	0~100%
	4	**Blue**	000 ⇔ 255	0~100%
	5	**White**	000 ⇔ 255	0~100%
	6	**Strobe**	000 ⇔ 009	No Function
			010 ⇔ 255	0~20 Hz

HSV	Channel	Function	Value	Percent/Setting
	1	**Hue**	000 ⇔ 255	0~100%
	2	**Saturation**	000 ⇔ 255	0~100%
	3	**Value**	000 ⇔ 255	0~100%

5. Technical Information

Product Maintenance

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

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:

- Unplug the product from power.
- Wait until the product has cooled.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and accessible internal components.
- Clean all external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Wipe any dirt or grime to the outside edges of the lens surface.
- Gently polish the lens surfaces until they are free of haze and lint.

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

CHAUVET®

Troubleshooting Guide

Symptom	Cause(s)	Action(s)
Product does not light up	Dimmer fader set to "0" All color faders set to "0" All colors in Static mode are set to "0" No power Faulty internal power supply Faulty main control board	Increase the value of the dimmer channel Increase the value of the color channels Increase the values of the colors Verify external power circuit and wiring Send product for repair
One of the LEDs does not work	Faulty LED Faulty LED module Faulty LED driver	Send product for repair
Two or more LEDs do not work on a single module	Faulty LED module Faulty LED driver	Send product for repair
The wrong LEDs light up when using DMX	Wrong personality Wrong DMX address	Change the personality Change the DMX address
Circuit breaker/fuse keeps tripping/blowing	Excessive circuit load Short-circuit along the power wires	Reduce total load placed on the electrical circuit Check electrical wiring
Product does not power up	No power Loose or damaged power cord Faulty internal power supply	Check for voltage on outlet Check power cord Send product for repair
Product does not respond to wired DMX or responds erratically	Wrong DMX addressing Damaged DMX cables Wrong polarity on the controller Loose DMX cables Non-DMX cables Bouncing signals Long cable/low-level signal Too many products Interference from AC wires Faulty Display/Main/DMX interface board	Check product addressing Check DMX cables Check polarity switch settings on the controller Check cable connections Use only DMX-compatible cables Install terminator as suggested Install an optically coupled DMX splitter before a long section of cable or right after the product with the strong signal Install an optically coupled DMX splitter after product #32 Keep DMX cables separated from power cables or fluorescent/black lights Send product for repair

ⓘ **If you still experience technical problems after trying the above solutions or if you need to send the product for repair, contact CHAUVET® Technical Support.**

Returns   You must 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. Proper FedEx packing or double-boxing are the packaging methods CHAUVET® recommends.

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

Contact Us

World Headquarters			**United Kingdom & Ireland**	
CHAUVET®			CHAUVET® Europe Ltd.	
General Information			**General Information**	
Address:	5200 NW 108th Avenue		Address:	Unit 1C
	Sunrise, FL 33351 (USA)			Brookhill Road Industrial Estate
Voice:	954-577-4455			Pinxton, Nottingham (UK)
Fax:	954-929-5560			NG 16 6NT
Toll free:	(800) 762-1084		Voice:	+44 (0)1773 511115
			Fax:	+44 (0)1773 511110
Technical Support			**Technical Support**	
Voice:	954-929-1115 (Press **4**)		Voice:	+44 (0)1773 511115 (Ext 205)
Fax:	954-756-8015		Email:	uktech@chauvetlighting.com
Email:	tech@chauvetlighting.com			
World Wide Web			**World Wide Web**	
	www.chauvetpro.com			www.chauvetlighting.co.uk

Outside the U.S., United Kingdom, or Ireland, contact your distributor of record. Follow their instructions to request support or to return a product. Visit our website for contact details.

Technical Specifications

Dimensions and Weight	Length	Width	Height	Weight
	7.5 in (191 mm)	9.4 in (239 mm)	12.6 in (319 mm)	11.5 lbs (5.22 kg)

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

Electrical

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

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	81 W	79 W
Operating	1.5 A	.63 A
Power linking	11 products	19 products

Power I/O	U.S./Worldwide	Europe
Power input connector	Neutrik® powerCON® A	Neutrik® powerCON® A
Power output connector	Neutrik® powerCON® B	Neutrik® powerCON® B
Power cord plug	Edison (US)	Local plug

Light Source

Type	Power	Lifespan
LED	10 W quad-color	50,000 hours

Color	Quantity	Current
Red	7	692 mA
Green	7	687 mA
Blue	7	685 mA
White	7	681 mA

Photo Optic

Parameter	Standard Optics
Illuminance @ 5 m	1,520 lx
Beam angle	11.5º
Field angle	25.0º

Thermal

Max. External Temperature	Cooling System
104° F (40° C)	Convection

DMX

I/O Connectors	Connector Type	Channel Range
3- and 5-pin XLR	Sockets	3, 4, 5, 6,10

Ordering

Product Name	Item Code	UPC Number
COLORado™ 1 Quad Tour	01030096	781462204211

UL 1573
CSA C22.2 No. 166
E113093

COLORado™ 1 Quad Tour User Manual Rev. 2