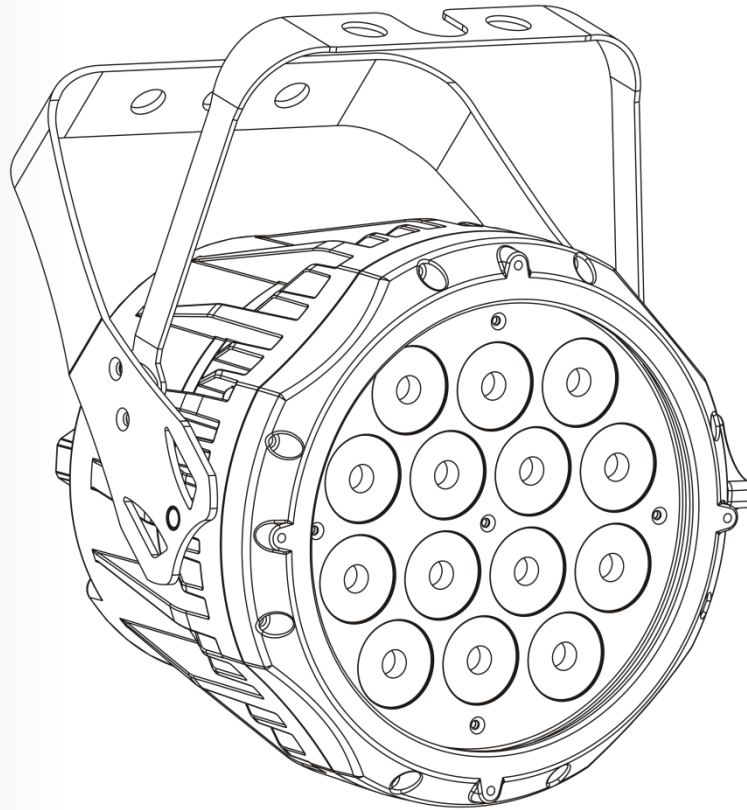# COLORado™ 1-TRI TOUR

User Manual

CHAUVET®

It's Green Thinking®

Edition Notes

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

Disclaimer

CHAUVET® believes that the information contained in this manual is accurate in all respects. However, CHAUVET® assumes no responsibility for any errors or omissions in this document. CHAUVET® reserves the right to revise and make changes to the content of this document without obligation that CHAUVET® notify any person or company of such revision or changes. This does not in any way constitute a commitment by CHAUVET® to make such changes. CHAUVET® may issue a revision of this manual or a new edition to incorporate such changes.

Document Revision

The COLORado™ 1-Tri 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	2/16/12	S. Graham	2/18/12

Table of Contents

1. Before You Begin

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

Unpacking Instructions

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

Claims

If the container or the material inside the container (the product and included accessories) 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.

Refer to 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

Icon Indications

Icon	This icon indicates . . .
⚠	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®.

Please refer to all applicable local codes and regulations for 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

Product Description

The COLORado™ 1-Tri Tour is an RGB wash product based on 14 tri-color (RGB) LEDs. It consists of a single pod with a double bracket mounting yoke. The AC power comes directly into the fixture's housing through a Neutrik® powerCON A socket. The power linking uses a Neutrik® powerCON B socket. The DMX input and output sockets are of the 3-pin XLR type. The COLORado™ 1-Tri Tour uses a display-based control panel for programming functions.

Features

- 3, 4, 5, or 10-channel RGBW LED bank system
- Operating modes:
  - 3-channel: HSV control
  - 3-channel: RGB control
  - 4-channel: RGB, dimmer
  - 5-channel: RGBW, dimmer
  - 6-channel: RGBW, dimmer, strobe
  - 10-channel: RGB, dimmer, macro, strobe, auto/custom speed, dimmer speed
- Pre-programmed color macros for each section
- RGB color mixing with or without DMX control
- 11 Color temperature presets
- Built-in automated programs via master/slave, DMX

Additional Features

- Five distinct dimming curves
- Additional power output: max 12 products @ 120 VAC
- Neutrik® powerCON® connectors
- 3-pin DMX input and output connectors
- LED display with password protection
- Gel frame holder (4-mm max thickness)
- Double-bracketed yoke that doubles as a floor stand

Product Overview

Safety Cable Loop

Power In

Power Out

POWER IN   POWER OUT

MENU ENTER UP DOWN

DMX IN

DMX OUT

DMX Out

DMX In

Control Panel

Product Dimensions

9.6 in
245 mm

11.5 in
290 mm

8.0 in
205 mm
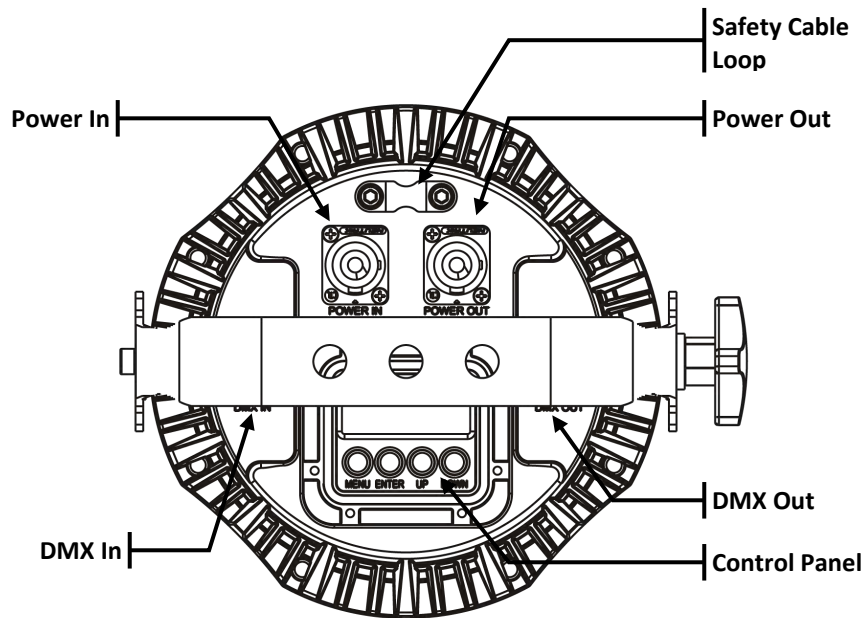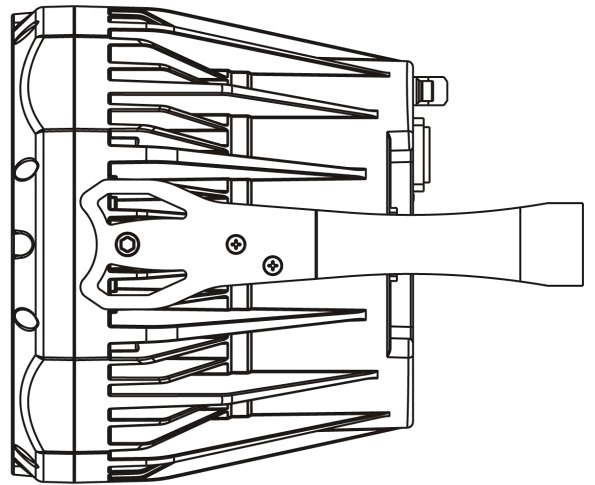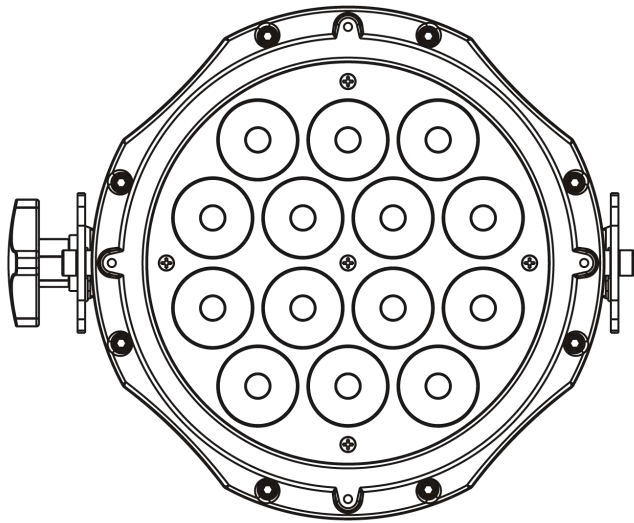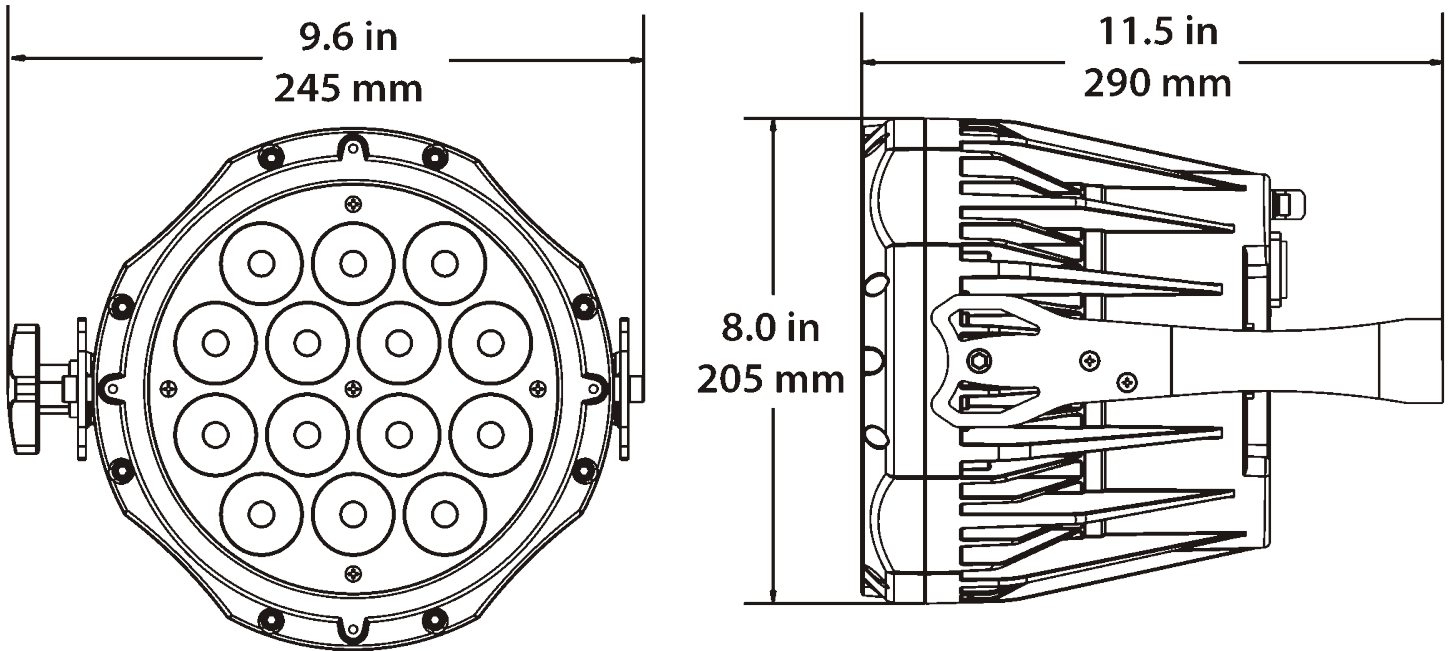
A = 30 mm
B = 13 mm
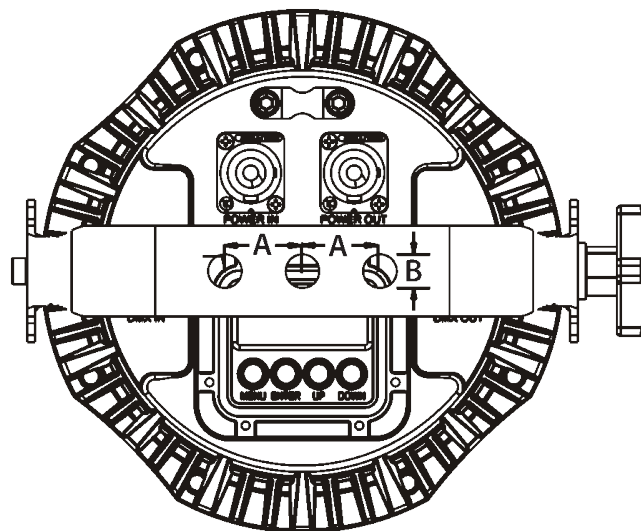
3. Setup

AC Power

The COLORado™ 1-Tri 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-Tri Tour, see the specification label affixed to the product or 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 the Circuit Breakers** from 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-Tri 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)	IPXX Pin	Screw Color
AC Live	Black	Brown	1	Yellow or Brass
AC Neutral	White	Blue	2	Silver
AC Ground	Green/Yellow	Green/Yellow	3	Green

Power Linking

The COLORado™ 1-Tri Tour supports power linking. You can power link up to 12 products at 120 VAC or 24 at 230 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-Tri Tour to a DMX controller using a standard DMX serial connection. If using other DMX compatible products with the COLORado™ 1-Tri Tour, you can control each individually with a single DMX controller.

DMX Modes

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

Refer to the Introduction chapter for a brief description of this (these) mode(s).

Refer to the Operation chapter to learn how to configure the COLORado™ 1-Tri Tour to work in this (these) mode(s).

The DMX Values section will provide you with detailed information regarding the DMX modes.

Master/Slave Connectivity

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

You must configure each slave product's control panel to operate in SLAVE 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.

ID Addressing

The COLORado™ 1-Tri Tour uses the ID Addressing feature to increase the number of addressable products in the same DMX universe when in the **TOUR** personality.

Refer to the Operation chapter in this manual to learn in detail how to configure this product when using ID Addressing.

If you are not familiar with the various connection methods when using ID Addressing, download the *DMX Primer* from the CHAUVET® website: www.chauvetpro.com.

Mounting

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

Orientation

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

Rigging

The COLORado™ 1-Tri Tour consists of a sealed housing with a double-bracketed mounting yoke. It has 2 DMX signal sockets (DMX In/out), and 2 Neutrik® powerCON® connectors (Power In/Out). 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 chain/cable (not included).

Procedure

The COLORado™ 1-Tri Tour comes with a double-bracketed yoke to which you can attach clamps. These brackets also serve as floor stands or wall-mount supports. You must supply your own clamps and make sure the clamps are capable of supporting the weight of this product.

Product Mounting Diagram
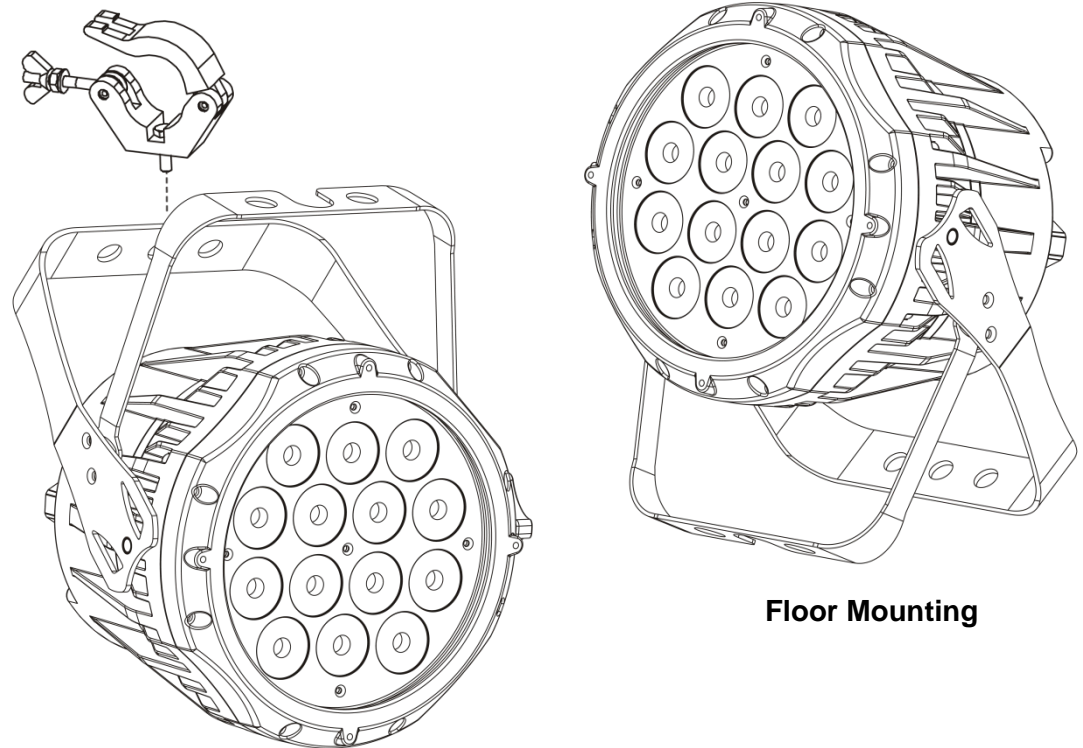
Floor Mounting

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
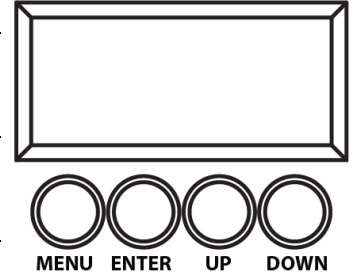
Control Options

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

In addition, the ID address system allows you to assign up to 66 products for each starting DMX address, multiplying the number of products you can control within a single universe.

You can access the product's ID address system from channel 10 when in the TOUR DMX personality.

When programming live performances, as well as cues that need to trigger on demand or on a time line, if using ID addressing, program no more than 10 products per DMX channel. This is to remain within a one-second execution time.

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**, **AR1.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 Without ID Addressing

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.

Select the **TOUR** personality as shown in DMX Personality.

1. Set the running mode:
    a. Go to the **RUN** main level.
    b. Select the **DMX.** programming level.
2. Set the starting address:
    a. Go to **DMX**.
    b. Select the starting address **d.(001~512)**.
3. Deactivate ID Addressing on each product:
    a. Go to **SET > ID.**
    b. Select **OFF.**

> **Make sure to deactivate ID Addressing in each product when using the TOUR personality. Otherwise, unintended results may occur if channel 10 is not set to "0."**

DMX Control With ID Addressing

In this mode, the products with the same DMX starting address will respond to the DMX controller based on the product's individual ID address setting. If you select ID address "0," all the products with the same DMX address will respond in unison. Otherwise, each product will follow the control for its particular ID address.

1. Repeat steps **1**, **2**, and **3** from *DMX Control Without ID Addressing*.
2. Activate ID Addressing in each product:
    a. Go to **SET> ID.**
    b. Select **ON.**

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

DMX Mode	DMX Address	DMX Mode	DMX Address
TOUR.	501	HSV	510
ARC.1	510	AR1.S	506
AR1.D	509		

Static Color   The Static Color mode allows for permanent RGB color mixing without a DMX controller.
1. Go to the **STAT** main level.
2. Select the desired color **R.**, **G.**, or **b.**
3. Select the desired color value (**000~255**).
4. Repeat for the other colors.
5. Select **ST**.
6. Select the desired frequency (**00~20**).

Auto Programs   Auto programs allow for dynamic RGB 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 (AT.01~10). However, you can edit the custom programs (PR.01~10). See _Edit Customs_ 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 (**R.**, **G.**, **b.**, **Sb.**, **T.,** or **F.**).
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 (**SC.01~30**) level (step "3").
8. Repeat the settings of colors and effects for the other scenes.

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

• **The master product is the one that runs a program (whether Auto or 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-Tri Tour generates the white color based on various RGB settings.

1. Go to the **SET** main level.
2. Select **COLO.**
3. Select **OFF.**, **RGbw.**, 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.
RGbw.:	When all the RGB faders are set to **255**, the resulting output is defined by the configured White color (see *Whites Settings or White Calibration*).
UC:	When all the RGB faders are set to **255**, the output matches that of less efficient products.

Dimmer Curves

This setting determines how fast the output of the COLORado™ 1-Tri Tour changes when you modify the values of the Red, Green, Blue, White, Amber, 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 RGB channel values.
DIM1~4:	The output follows the Dimmer and RGB 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>**, and **<ENTER>**.

Program Upload   This option allows you to copy the custom programs of one COLORado™ 1-Tri Tour onto other COLORado™ 1-Tri 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. Enter the master access password as shown in <u>Control Panel Lock</u>.
5. Wait for the upload process to finish (the display will show **END/MAIN**) 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-Tri Tour to a different product. The other product may become inoperative.

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

1. Go to the **SET** main level.
2. Select **REST.**
3. Enter the master access password as described in <u>Control Panel Lock</u>.
4. 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 7 (Macros) when in the TOUR mode.

1. Go to **CAL1**.
2. Select a white color (**wT.01~11**)
3. Select a color (**R.**, **G.**, or **b.**).
4. Select a color value (**000~255**).
5. Repeat for the other colors.

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

1. Go to the **CAL2 > RGbw.** main level.
2. Select a color (**R.**, **G.**, or **b.**).
3. Select a color value (**000~255**).
4. Repeat for the other colors.

When selecting CAL2 > RGbw., you will only be able to define the values of Red, Green, and Blue.

The values of Red, Green, and Blue configured from CAL2 > RGbw. will define the color temperature shown when the RGB faders are set to "255" if SET > COLO > RGbw. 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 Color Selection	• Channels 2 through 4 control the intensity ratio of each of the Red, Green, and Blue 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 4 to create over one trillion colors.
Color Macros	• Channel 5 selects the required Color Macro. • Channel 5 has priority over channels 2 through 4. • Channel 1 controls the intensity of the Color Macro.
Strobe	• Channel 6 controls the strobe frequency (not the intensity) of channels 2 through 5. • Channel 6 can strobe channels 2 through 4 when not running macros, allowing the individual faders (**R.**, **G.**, and **b.**), as well as channel 1 (D), to control the output intensity. • Channel 6 can strobe channel 5 when running macros, allowing channel 5 to select the macro and channel 1 to control the output intensity.
Auto/Custom	• Channel 7 selects the preset auto programs **AT.01~10** or the custom programs **PR.01~10,** as well as the fan speed. • 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 7 has priority over channels 2 through 6. • Channel 8 controls the speed at which each auto program plays.
Dimmer Speed	• Channel 9 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 RGB and Master Dimmer faders are linear. • When **DIMMER** is set to **DIM1~DIM4**, **DIM1** is the fastest dimmer curve and **DIM4** is the slowest.
ID Address Selection	• Channel 10 selects the target ID address. • Each independent DMX address may have up to 66 independent ID addresses. • An ID address of **0** will activate all ID address locations.

CHAUVET.

Menu Map

Main Level	Programming Levels						Description
STAT	**R.**		**000~255**				Combines Red, Green, and Blue to generate a custom color.
	G.						
	b.						
	ST.		**00~20**				Strobe frequency (0~20 Hz)
AUTO	**AT.**		**01~10**				Choose from 10 automatic programs
	PR.						Choose from 10 customizable programs
RUN	**DMX**						Receives signals from DMX controller
	SLAV						Receives signals from Master unit
DMX	**D.**		**000~512**				Sets the DMX starting address
PERS	**TOUR**						10-channel: RGB, dimmer, strobe, macro, auto/custom, dimmer speed, auto speed, id addressing
	ARC.1						3-channel: RGB control
	AR1.D						4-channel: RGB, dimmer
	AR1.S						5-channel: RGB, dimmer, strobe
	HSV						3-channel: HSV control
Id	**Id.**		**01~66**				Sets id address control
EdIT	**PR.**	**01~10**	**SC.**	**01~30**	**R.**	**000~255**	User can combine Red, Green, Blue, and White to generate a custom color (0~100%)
					G.		
					b.		
					Sb.	**00~20**	Selects the strobe frequency (0~20 Hz)
					T	**000~255**	Defines the step duration (0~100%)
					F		Defines the fade duration (0~100%)

Main Level	Programming Levels			Description
SET	**UPLd.**		**....** (Enter Passcode)	Defaults product
	REST.		**....** (Enter Passcode)	Defaults product
	Id.		**ON.**	Turns id addressing control on/off
			OFF.	
	COLO.		**OFF**	RGB set to "255"= max. output
			RGbw.	RGB set to "255" = balanced white
			UC.	Universal color balance
	dim.		**OFF**	No dimmer
			dIM1.	Dimmer curve
			dIM2.	
			dIM3.	
			dIM4.	
CAL1	**wT.**	**01~11**	**R.**	**000~255**	Modifies the color macros used in the **TOUR** personality
			G.		
			b.		
CAL2	**RGbw.**	**R.**	**000~255**	Defines the color temperature used when **COLO** is set to **RGbw.**
		G.		
		b.		
KEY	**ON**			Turns the password on or off
	OFF			

CHAUVET®

DMX Values

TOUR

Channel	Function	Value	Percent/Setting
1	Master Dimmer	000 ⇔ 255	0~100%
2	Red	000 ⇔ 255	0~100% (or Step Time when playing CUS. 01~10)
3	Green	000 ⇔ 255	0~100% (or Fade Time when playing CUS. 01~10)
4	Blue	000 ⇔ 255	0~100%
5	Color Macro	000 ⇔ 010 011 ⇔ 030 031 ⇔ 050 051 ⇔ 070 071 ⇔ 090 091 ⇔ 110 111 ⇔ 130 131 ⇔ 150 151 ⇔ 170 171 ⇔ 200 201 ⇔ 205 206 ⇔ 210 211 ⇔ 215 216 ⇔ 220 221 ⇔ 225 226 ⇔ 230 231 ⇔ 235 236 ⇔ 240 241 ⇔ 245 246 ⇔ 250 251 ⇔ 255	No function Red 100% / Green Up / Blue 0% Red Down / Green 100% / Blue 0% Red 0% / Green 100% / Blue Up Red 0% / Green Down ' Blue 100% Red Up / Green 0% / Blue 100% Red 100% / Green 0% / Blue Down Red 100% / Green Up / Blue Up Red Down / Green Down / Blue 100% Red 100% / Green 100% / Blue 100% White 1 White 2 White 3 White 4 White 5 White 6 White 7 White 8 White 9 White 10 White 11
6	Strobe	000 ⇔ 010 011 ⇔ 255	No function 0~20 Hz
7	Auto	000 ⇔ 020 021 ⇔ 030 031 ⇔ 040 041 ⇔ 050 051 ⇔ 060 061 ⇔ 070 071 ⇔ 080 081 ⇔ 090 091 ⇔ 100 101 ⇔ 110 111 ⇔ 120 121 ⇔ 130 131 ⇔ 140 141 ⇔ 150 151 ⇔ 160 161 ⇔ 170 171 ⇔ 180 181 ⇔ 190 191 ⇔ 200 201 ⇔ 210 211 ⇔ 220 221 ⇔ 255	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 Custom 9 Custom 10 No function
8	Auto Speed	000 ⇔ 255	0~100% (Only works if AUTO 01~10 is playing)

Continues on the next page

Tour (cont.)

Channel	Function	Value	Percent/Setting		
9	**Dimmer Speed**	000 ⇔ 009	Use dimmer speed from control panel		
		010 ⇔ 029	Linear dimmer		
		030 ⇔ 069	Non-linear dimmer 1 (fastest)		
		070 ⇔ 129	Non-linear dimmer 2		
		130 ⇔ 189	Non-linear dimmer 3		
		190 ⇔ 255	Non-linear dimmer 4 (slowest)		
		Value	**Setting**	**Value**	**Setting**	**Value**	**Setting**
10	**ID Address**	000 ⇔ 009	All IDs	212	ID 23	235	ID 46
		010 ⇔ 019	ID 1	213	ID 24	236	ID 47
		020 ⇔ 029	ID 2	214	ID 25	237	ID 48
		030 ⇔ 039	ID 3	215	ID 26	238	ID 49
		040 ⇔ 049	ID 4	216	ID 27	239	ID 50
		050 ⇔ 059	ID 5	217	ID 28	240	ID 51
		060 ⇔ 069	ID 6	218	ID 29	241	ID 52
		070 ⇔ 079	ID 7	219	ID 30	242	ID 53
		080 ⇔ 089	ID 8	220	ID 31	243	ID 54
		090 ⇔ 099	ID 9	221	ID 32	244	ID 55
		100 ⇔ 109	ID 10	222	ID 33	245	ID 56
		110 ⇔ 119	ID 11	223	ID 34	246	ID 57
		120 ⇔ 129	ID 12	224	ID 35	247	ID 58
		130 ⇔ 139	ID 13	225	ID 36	248	ID 59
		140 ⇔ 149	ID 14	226	ID 37	249	ID 60
		150 ⇔ 159	ID 15	227	ID 38	250	ID 61
		160 ⇔ 169	ID 16	228	ID 39	251	ID 62
		170 ⇔ 179	ID 17	229	ID 40	252	ID 63
		180 ⇔ 189	ID 18	230	ID 41	253	ID 64
		190 ⇔ 199	ID 19	231	ID 42	254	ID 65
		200 ⇔ 209	ID 20	232	ID 43	255	ID 66
		210	ID 21	233	ID 44		
		211	ID 22	234	ID 45		

ARC.1

Channel	Function	Value	Percent/Setting
1	**Red**	000 ⇔ 255	0~100% (or Step Time when playing CUS. 01~10)
2	**Green**	000 ⇔ 255	0~100% (or Fade Time when playing CUS. 01~10)
3	**Blue**	000 ⇔ 255	0~100%

AR1.D

Channel	Function	Value	Percent/Setting
1	Master Dimmer	000 ⇔ 255	0~100%
2	Red	000 ⇔ 255	0~100% (or Step Time when playing CUS. 01~10)
3	Green	000 ⇔ 255	0~100% (or Fade Time when playing CUS. 01~10)
4	Blue	000 ⇔ 255	0~100%

AR1.S

Channel	Function	Value	Percent/Setting
1	Master Dimmer	000 ⇔ 255	0~100%
2	Red	000 ⇔ 255	0~100%
3	Green	000 ⇔ 255	0~100%
4	Blue	000 ⇔ 255	0~100%
5	Strobe	000 ⇔ 010 011 ⇔ 255	No function 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 surface.
- Gently polish the surfaces until they are free of haze and lint.

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

Troubleshooting Guide

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

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:	954-929-1115		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
	11.4 in (290 mm)	9.6 in (245 mm)	8.0 in (205 mm)	9.0 lbs (4.1 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	88 W	88 W
	Operating / Inrush current	.7 A / .2 A	.4 A / .4 A
	Power linking	12 products	24 products

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

Light Source	Type	Power	Lifespan
	LED	3 W	50,000 hours

	Color	Quantity	Current
	Tri-color	14	350 mA (per die)

Photo Optic	Parameter	Standard 16º Optics
	Illuminance @ 5 m	691 lx
	Beam angle	17.0º
	Field angle	32.0º

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

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

Ordering	COLORado™ 1-Tri Tour	Item Code	UPC Code
	COLORado™ 1-Tri Tour	01030097	781462204228

CE

CONFORMS TO UL STD. 1573
CERTIFIED TO CSA STD. C22.2 No. 166
3144482

COLORado™ 1-Tri Tour User Manual – Rev. 2
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