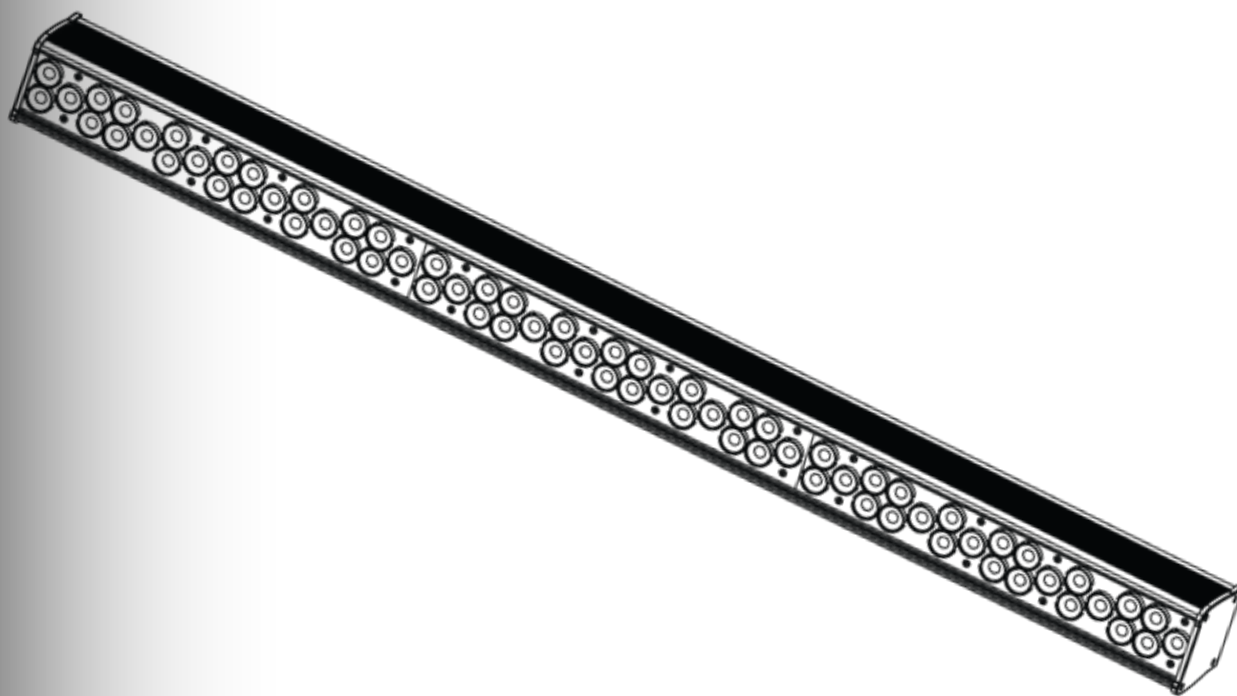


COLORADO™ BATTEN 72 TOUR

User Manual




CHAUVET®
It's Green Thinking.

Edition Notes

The COLORado™ Batten 72 Tour User Manual Rev. 3 covers the description, safety precautions, installation, programming, operation, and maintenance of the COLORado™ Batten 72 Tour. CHAUVET® released this edition of the COLORado™ Batten 72 Tour User Manual in December 2012.

Trademarks

CHAUVET® is a registered trademark of CHAUVET & Sons Inc. (d/b/a CHAUVET® or Chauvet). The CHAUVET® logo in its entirety including the CHAUVET® name and the dotted triangle, and all other trademarks in this manual pertaining to services, products, or marketing statements (example: It's Green Thinking™) are owned or licensed by CHAUVET®. Any other product names, logos, brands, company names, and other trademarks featured or referred to within this document are the property of their respective trademark holders.

Copyright Notice

CHAUVET® owns the content of this User Manual in its entirety, including but not limited to pictures, logos, trademarks, and resources.

© **Copyright 2012 CHAUVET®. All rights reserved.**

Electronically published by CHAUVET® in the United States of America.

Manual Usage

CHAUVET® authorizes its customers to download and print this manual for professional information purposes only. CHAUVET® expressly prohibits the usage, copy, storage, distribution, modification, or printing of this manual or its content for any other purpose without written consent from CHAUVET®.

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™ Batten 72 Tour User Manual Rev. 3 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. Coupe	12/19/12	S. Diaz	12/19/12

Table of Contents

- 1. Before You Begin 1**
 - What Is Included 1
 - Unpacking Instructions 1
 - Claims 1
 - Typographic Conventions 1
 - Icons 1
 - Safety Notes 2
 - Expected LED Lifespan 2
- 2. Introduction 3**
 - Product Description 3
 - Features 3
 - Additional Features 3
 - Product Overview 4
- 3. Setup 5**
 - AC Power 5
 - AC Plug 5
 - Power Linking 5
 - Fuse Replacement 5
 - DMX Linking 6
 - DMX Modes 6
 - Master/Slave Connectivity 6
 - ID Addressing 6
 - Mounting 7
 - Orientation 7
 - Rigging 7
- 4. Operation 8**
 - Control Panel Description 8
 - Control Options 8
 - Programming 8
 - DMX Personality 8
 - DMX Control Without ID Addressing 9
 - DMX Control With ID Addressing 9
 - Static Color 9
 - Auto Programs 9
 - Edit Customs 10
 - Master/Slave 10
 - Color Settings 10
 - Dimmer Curves 10
 - Control Panel Lock 11
 - Program Upload 11
 - Reset 11
 - Whites Setting 11
 - Fan Setting 12
 - TOUR Notes 12
 - Master Dimmer 12
 - Red, Green, Blue White, and Amber Color Selection 12
 - Color Macros 12
 - Strobe 12
 - Auto/Custom/Fan 12
 - Dimmer Speed 12
 - ID Address Selection 12
 - Menu Map 13
 - DMX Values 14



TOUR	14
TOUR (Cont.)	15
Tour (Cont.)	16
BLOCK1	16
BLOCK2	16
ARC1	16
ARC1 + D	16
ARC2	17
ARC2 + D	17
ARC2 + S	17
HSV	17
5. Technical Information	18
Product Maintenance	18
Troubleshooting Guide	19
Returns Procedure	20
Contact Us	20
Technical Specifications	21

1. Before You Begin

What Is Included

- COLORado™ Batten 72 Tour
- Power Cord
- Safety Cable
- Warranty Card
- 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 in good condition.

Claims




If the box or contents (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.

Typographic Conventions

Convention	Meaning
1~512	A range of values in the text
50/60	A set of mutually exclusive values in the text
<i>Claims</i>	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

Icons

Icon	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.

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®.



Abide by all applicable local codes and regulations for proper installation of this product.

- 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.
- 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).
- 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.
- 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!



Expected LED Lifespan

In the unlikely event that your CHAUVET® product may require service, contact CHAUVET® Technical Support.

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™ Batten 72 Tour is an RGBWA linear LED wash light. It consists of a single module that accommodates the internal power supply, the main control, the control panel, the LED drivers, the LED boards and lenses as well as the power and signal connectors.

The product features two adjustable mounting brackets that double as floor mounts and hanging brackets.

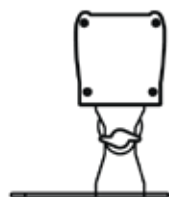
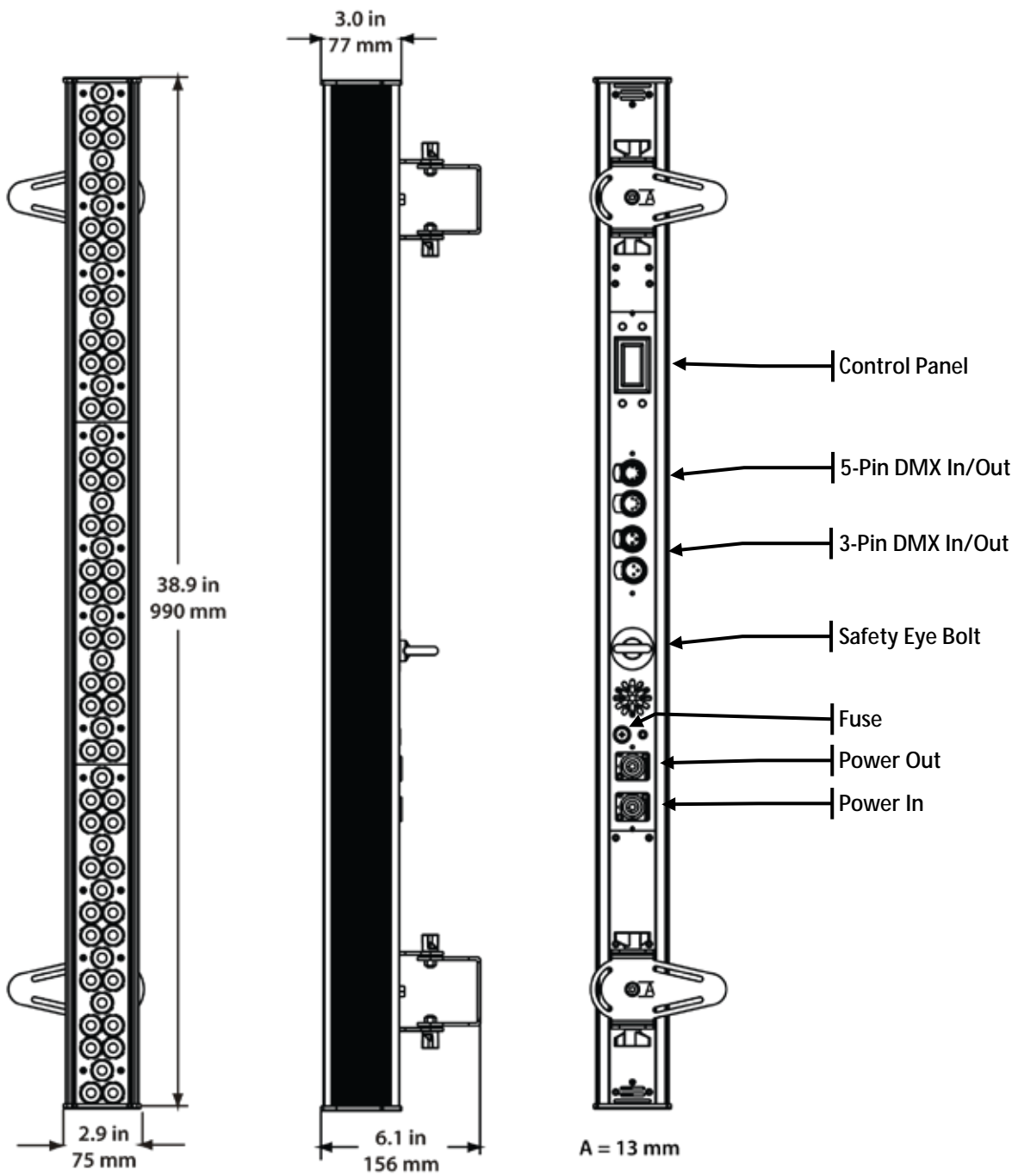
Features

- 3, 4, 5, 6, 7, 9, 13, or 15-channel RGBWA LED linear wash light with ID Addressing
- Operating modes:
 - 3-channel: HSV control
 - 3-channel: RGB control
 - 4-channel: RGB, dimmer
 - 5-channel: RGBWA
 - 6-channel: RGBWA, dimmer
 - 7-channel: RGBWA, dimmer, strobe
 - 9-channel: RGB control per block
 - 13-channel: RGBWA, ID addressing, dimmer, dimmer speed, strobe, macro, auto/custom, and module select
 - 15-channel: RGBWA control per block
- Built-in automated programs via DMX
- Recall custom programs via DMX
- RGBWA color mixing with or without DMX control

Additional Features

- Five distinct dimming curves
- Additional power output: max 6 products @ 120 V
- Neutrik® powerCON® connectors
- 3- and 5-pin DMX input and output connectors
- LCD display with password protection
- Adjustable double-bracketed yoke for floor or overhead mounting

Product Overview



3. Setup

AC Power

The COLORado™ Batten 72 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™ Batten 72 Tour, refer to the specification label affixed to the product or the specifications in this manual.

Refer to the [Technical Specifications](#) chart.



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™ Batten 72 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™ Batten 72 Tour supports power linking. You can power link up to 6 products at 120 VAC or 11 products 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.

Fuse Replacement

1. Disconnect this product from the power outlet.
2. Using a Phillips #2 head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with a good fuse of the same type and rating.
4. Screw the fuse holder cap back in place and reconnect power.



DMX Linking

You can link the COLORado™ Batten 72 Tour to a DMX controller using a standard DMX serial connection. If using other DMX compatible products with the COLORado™ Batten 72 Tour, you can control each individually with a single DMX controller.

DMX Modes

The COLORado™ Batten 72 Tour uses the standard DMX data connection for the **TOUR**, **BLOCK1**, **BLOCK2**, **ARC1**, **ARC1 +D**, **ARC2**, **ARC2 + D**, **ARC2 + 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™ Batten 72 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 master OLORado™ Batten 72 Tour set to Master mode to control one or more COLORado™ Batten 72 Tours set to Slave mode without a DMX controller. One COLORado™ Batten 72 Tour becomes the master product when running an Auto or Custom program, or by being in **STATIC** 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 DMX, 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™ Batten 72 Tour uses the ID Addressing feature to increase the number of addressable products in the same DMX universe when in the **TOUR** personality. See the [Operation](#) chapter for details on to configuring this product when using ID Addressing.

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.

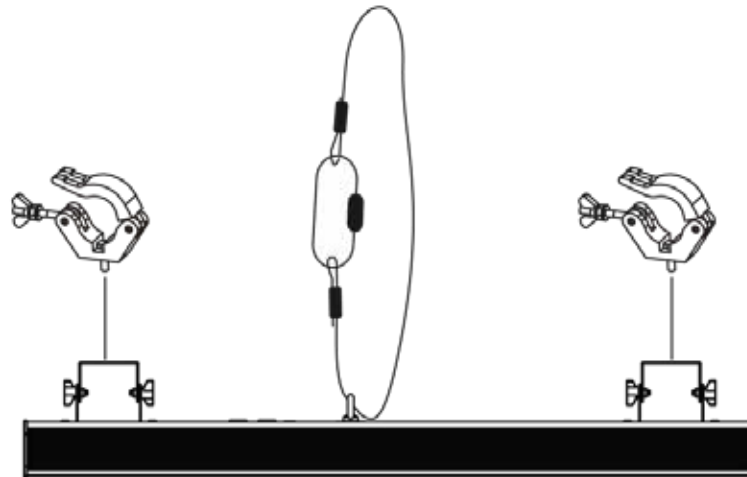
Rigging

CHAUVET® recommends using the following general guidelines when mounting this product.

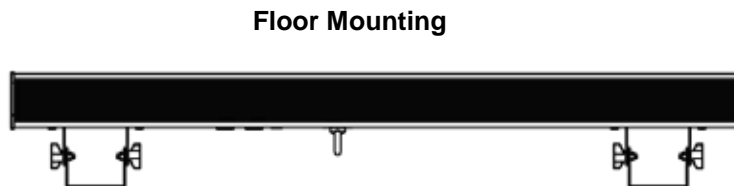
- When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
- Make sure to mount this product away from any flammable material as indicated in the [Safety Notes](#).
- Never mount in places where rain, high humidity, 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).

The COLORado™ Batten 72 Tour comes with two adjustable feet that double as hanging bracket 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. You must use two mounting points per product.

Mounting Diagram



Overhead Mounting

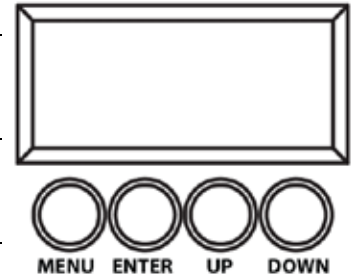


Floor Mounting

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



Control Options

You can set the COLORado™ Batten 72 Tour start address in the 001~512 DMX range. This enables control of up to 39 products in the 13-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 12 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**, **ARC1**, **ARC1 + D**, **ARC2**, **ARC2 + D**, **ARC2 + S**, **HSV**, **BLOCK1**, or **BLOCK2**).



- 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 **ADDRESS**.
 - b. Select the starting address (**001~512**).
3. Deactivate ID Addressing on each product:
 - a. Go to **SETTINGS > ID ONOFF**.
 - b. Select **OFF**.

Make sure to deactivate ID Addressing in each product when using the TOUR personality. Otherwise, unintended results may occur if channel 12 is not set to "0."

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 **SETTINGS > ID ONOFF**
 - b. Select **ON**.

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	500	ARC2	508	HSV	510
ARC1	510	ARC2+D	507	BLOCK1	504
ARC1+D	509	ARC2+S	506	BLOCK2	498

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

1. Go to the **STATIC** main level.
2. Select the desired color (**RED, GREEN, BLUE, WHITE, or AMBE**).
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 allow for dynamic RGBWA color mixing without a DMX controller.

1. Go to **AUTO**.
2. Select the desired auto (**AUTO 01~10**) or custom program (**CUSTOM 01~10**).

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



DMX Control With ID Addressing



Static Color

Auto Programs



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 (**CUSTOM 01~10**).
3. Select the desired scene (**SCENE 01~30**).
4. Select the desired color or effect (**RED, GREN, BLUE, WHIT, AMBE, 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** 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™ Batten 72 Tours (the slave products) to simultaneously duplicate the output of another COLORado™ Batten 72 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 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.**
- **The master product should be the first product in the daisy chain.**



Color Settings

The **COLOR** setting determines how the COLORado™ Batten 72 Tour generates the white color based on various RGB settings.

1. Go to the **SETTINGS** main level.
2. Select **COLOR**.
3. Select **OFF, RGB TO 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 TO W: When all the RGB faders are set to **255**, the resulting output is defined by the configured White color (see *Whites Settings*).

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™ Batten 72 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 **SETTINGS** main level.
2. Select **DIMMER**.
3. Select a dimmer function (**OFF, DIM1, DIM2, DIM3, or DIM4**).

OFF: The output is proportional (linear) to the Dimmer and RGBWA channel values.



Control Panel Lock

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

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 **KEYLOCK** 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™ Batten 72 Tour onto other COLORado™ Batten 72 Tours 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 **SETTINGS** main level.
3. Select **UPLOAD**, press **<ENTER>**.
4. When **PASSWORD** shows, enter the master access password as shown in [Control Panel Lock](#).
5. When **SEND** shows, press **<ENTER>** to start the upload.
6. 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™ Batten 72 Tour to a different product. The other product may become inoperative.

Reset

This setting allows you to reset the COLORado™ Batten 72 Tour to the default values, including the custom programs.

1. Go to the **SETTINGS** main level.
2. Select **RESET**.
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 7 (Macros) when in the **TOUR** mode. You can also define the maximum RGB values when RGB to White (**RGB to W**) is active.

1. Go to **CALIB**.
2. Select a white color (**WHITE1~11**) or (**RGB TO W**).
 - a. Select **RED**, **GREN**, **BLUE**, **WHIT**, or **AMBE** for **WHITE1~11**.
 - b. Select **RED**, **GREN**, or **BLUE** for **RGB TO W**.
3. Select a color value (**000~255**).
4. Repeat for the other colors.



When selecting **RGB TO W**, you will only be able to define the values of **RED**, **GREEN** (green), and **BLUE**.



The values of **RED**, **GREEN**, and **BLUE** configured from **CALIB > RGB TO W** will define the color temperature shown when the RGB faders are set to 255 if **SETTING > COLOR > RGB TO W** is active.

Fan Setting

1. Press **<MENU>** repeatedly until **FANS** shows, and press **<ENTER>** to accept.
 2. Use **<UP>** or **<DOWN>** to select a setting (**OFF**, **LOW**, **NORMAL**, **HIGH**, or **AUTO**).
 3. Press **<MENU>** to exit once done.
- When in **AUTO**, the fan speed automatically changes so the product's temperature does not exceed the maximum allowed value.
 - When in the other settings, the fan speed follows the predefined values.
 - The internal controller will override any manual setting if the internal temperature rises above a certain level.



TOUR Notes Master Dimmer

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

Red, Green, Blue White, and Amber Color Selection

- 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.
- Channels 2 through 6 control the intensity ratio of each of the Red, Green, Blue, White, and Amber LEDs.
- When these channels are at the highest position (**100%**), the intensity of each color is at maximum if **SETTINGS > COLOR** is **OFF**.
- You can combine channels 2 through 6 to create over one trillion colors.

Color Macros

Strobe

- Channel 7 selects the required Color Macro.
- Channel 7 has priority over channels 2 through 6.
- Channel 1 controls the intensity of the Color Macro.
- Channel 8 controls the strobe frequency (not the intensity) of channels 2 through 7.
- Channel 8 can strobe channels 2 through 6 when not running macros, allowing the individual faders (R, G, B, W, and A), as well as channel 1 (D), to control the output intensity.
- Channel 8 can strobe channel 7 when running macros, allowing channel 7 to select the macro and channel 1 to control the output intensity.

Auto/Custom/Fan

- Channel 9 selects the preset auto programs **AUTO01~10** or the custom programs **CUSTOM01~10**, as well as the fan speed.
- When activating the custom programs **CUSTOM01~10**, you can control the Step Time and Fade Time using channels 2 and 3, respectively.
- Channel 9 has priority over channels 2 through 8.
- Channel 10 controls the speed at which each auto program plays.

Dimmer Speed

- Channel 11 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 RGBWA 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 12 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.

Menu Map

Main Level	Program Levels				Description		
STATIC	RED	000~255			User can combine Red, Green, Blue, White, and Amber to generate a custom color		
	GREN						
	BLUE						
	WHIT						
	AMBE						
	STRB	00~20			Select a strobe frequency		
AUTO	AUTO	01~10			Choose from 10 automatic programs		
	CUSTOM				Choose from 10 customizable programs		
ADDRESS	001~512				Sets the DMX starting address		
RUN	DMX				Selects the DMX or SLAVE mode		
	SLAVE						
PERSON	TOUR				13-channel: RGBWA, ID addressing, dimmer, dimmer speed, strobe, macro, auto/custom, and module select		
	BLOCK1				9-channel: RGB for individual block control		
	BLOCK2				15-channel: RGBWA for individual block control		
	ARC1				3-channel: RGB control		
	ARC1 + D				4-channel: RGB, dimmer		
	ARC2				5-channel: RGBWA control		
	ARC2+ D				6-channel: RGBWA, dimmer		
	ARC2+ S				7-channel: RGBWA, dimmer, strobe		
	HSV				3-channel: HSV control (hue, saturation and value)		
ID	01~66				Selects ID address		
SETTINGS	ID ONOFF		ON		Turns ID addressing on/off		
			OFF				
	UPLOAD	PASSWORD		****	Uploads custom programs		
	RESET	PASSWORD		****	Resets the product to the factory settings		
	DIMMER	OFF				No dimmer	
		DIM1				Dimmer curve	
		DIM2					
		DIM3					
		DIM4					
	COLOR	OFF				RGB set to "255" = max. output	
RGB TO W				RGB set to "255" = balanced white			
UC				Universal color balance			
EDIT	CUSTOM	01~10	SCENE	01~30	RED	000~255	User can combine Red, Green, Blue, Amber and White to generate a custom color
					GREN		
					BLUE		
					WHIT		
					AMBE		
					STRB		
TIME	000~255	Defines the step duration					
FADE		Defines the fade duration					
CALIB	WHITE	01~11	RED	000~255	Modifies the color macros used in the TOUR personality		
			BLUE				
			GREN				
			WHIT				
RGB TO W			RED	000~255	Defines the color temperature used when COLO is set to Rgbw		
			GREN				
			BLUE				
FANS	OFF				Selects fan speed		
	LOW						
	NORMAL						
	HIGH						
	AUTO						
KEYLOCK	ON				Turns the password on or off		
	OFF						

DMX Values

TOUR

Channel	Function	Value	Percent/Setting
1	Master Dimmer	000 ó 255	000~100%
2	Red	000 ó 255	000~100% (Step Time when playing custom.01~10)
3	Green	000 ó 255	000~100% (Fade Time when playing custom.01~10)
4	Blue	000 ó 255	000~100%
5	White	000 ó 255	000~100%
6	Amber	000 ó 255	000~100%
7	Color Macro + White Balance	000 ó 010	No Function
		011 ó 030	R: 100% G: 0~100% B: 0%
		031 ó 050	R: 100~0% G: 100% B: 0%
		051 ó 070	R: 0% G: 100% B: 0~100%
		071 ó 090	R: 0% G: 100~0% B: 100%
		091 ó 110	R: 0~100% G: 0% B: 100%
		111 ó 130	R: 100% G: 0% B: 100~0%
		131 ó 150	R: 100% G: 0~100% B: 0~100%
		151 ó 170	R: 100~0% G: 100~0% B: 100%
		171 ó 200	R: 100% G: 100% B: 100% W: 100%
		201 ó 205	White 1
		206 ó 210	White 2
		211 ó 215	White 3
		216 ó 220	White 4
		221 ó 225	White 5
		226 ó 230	White 6
231 ó 235	White 7		
236 ó 240	White 8		
241 ó 245	White 9		
246 ó 250	White 10		
251 ó 255	White 11		
8	Strobe	000 ó 009	No function
		010 ó 255	01~20 Hz

Continues on next page

**TOUR
(Cont.)**

Channel	Function	Value	Percent/Setting				
9	Auto + Custom Programs + Fan Control	000 ó 010	No Function				
		011 ó 020	Fans Off				
		021 ó 030	Fans Low				
		031 ó 040	Fans Normal				
		041 ó 050	Fans High				
		051 ó 060	Fans Auto				
		061 ó 070	Auto 1				
		071 ó 080	Auto 2				
		081 ó 090	Auto 3				
		091 ó 100	Auto 4				
		101 ó 110	Auto 5				
		111 ó 120	Auto 6				
		121 ó 130	Auto 7				
		131 ó 140	Auto 8				
		141 ó 150	Auto 9				
		151 ó 160	Auto 10				
		161 ó 170	Custom 1				
		171 ó 180	Custom 2				
		181 ó 190	Custom 3				
		191 ó 200	Custom 4				
201 ó 210	Custom 5						
211 ó 220	Custom 6						
221 ó 230	Custom 7						
231 ó 240	Custom 8						
241 ó 250	Custom 9						
251 ó 255	Custom 10						
10	Auto Speed	000 ó 255	000~100%				
11	Dim Speed	000 ó 009	Dimmer speed as per Control Panel				
		010 ó 029	Linear dimmer				
		030 ó 069	Non-linear dimmer 1 (fastest)				
		070 ó 129	Non-linear dimmer 2				
		130 ó 189	Non-linear dimmer 3				
190 ó 255	Non-linear dimmer 4 (slowest)						
12	ID Address	Value	Setting	Value	Setting	Value	Setting
		000 ó 009	All IDs	212	ID 23	235	ID 46
		010 ó 019	ID 1	213	ID 24	236	ID 47
		020 ó 029	ID 2	214	ID 25	237	ID 48
		030 ó 039	ID 3	215	ID 26	238	ID 49
		040 ó 049	ID 4	216	ID 27	239	ID 50
		050 ó 059	ID 5	217	ID 28	240	ID 51
		060 ó 069	ID 6	218	ID 29	241	ID 52
		070 ó 079	ID 7	219	ID 30	242	ID 53
		080 ó 089	ID 8	220	ID 31	243	ID 54
		090 ó 099	ID 9	221	ID 32	244	ID 55
		100 ó 109	ID 10	222	ID 33	245	ID 56
		110 ó 119	ID 11	223	ID 34	246	ID 57
		120 ó 129	ID 12	224	ID 35	247	ID 58
		130 ó 139	ID 13	225	ID 36	248	ID 59
		140 ó 149	ID 14	226	ID 37	249	ID 60
		150 ó 159	ID 15	227	ID 38	250	ID 61
		160 ó 169	ID 16	228	ID 39	251	ID 62
		170 ó 179	ID 17	229	ID 40	252	ID 63
		180 ó 189	ID 18	230	ID 41	253	ID 64
		190 ó 199	ID 19	231	ID 42	254	ID 65
		200 ó 209	ID 20	232	ID 43	255	ID 66
		210	ID 21	233	ID 44		
211	ID 22	234	ID 45				

Continues on next page

Tour (Cont.)	Channel	Function	Value	Percent/Setting
	13	Module Select	000 ó 010	Blocks 1, 2 & 3
			005 ó 034	Block 1
			035 ó 064	Block 2
			065 ó 094	Block 3
			095 ó 124	Blocks 1 & 2
			125 ó 154	Blocks 2 & 3
			155 ó 184	Blocks 1 & 3
			185 ó 214	Blocks 1, 2 & 3
			215 ó 255	No Function

BLOCK1	Channel	Function	Value	Percent/Setting
	1	Block 1 Red	000 ó 255	000~100%
	2	Block 1 Green	000 ó 255	000~100%
	3	Block 1 Blue	000 ó 255	000~100%
	4	Block 2 Red	000 ó 255	000~100%
	5	Block 2 Green	000 ó 255	000~100%
	6	Block 2 Blue	000 ó 255	000~100%
	7	Block 3 Red	000 ó 255	000~100%
	8	Block 3 Green	000 ó 255	000~100%
	9	Block 3 Blue	000 ó 255	000~100%

BLOCK2	Channel	Function	Value	Percent/Setting
	1	Block 1 Red	000 ó 255	000~100%
	2	Block 1 Green	000 ó 255	000~100%
	3	Block 1 Blue	000 ó 255	000~100%
	4	Block 1 White	000 ó 255	000~100%
	5	Block 1 Amber	000 ó 255	000~100%
	6	Block 2 Red	000 ó 255	000~100%
	7	Block 2 Green	000 ó 255	000~100%
	8	Block 2 Blue	000 ó 255	000~100%
	9	Block 2 White	000 ó 255	000~100%
	10	Block 2 Amber	000 ó 255	000~100%
	11	Block 3 Red	000 ó 255	000~100%
	12	Block 3 Green	000 ó 255	000~100%
	13	Block 3 Blue	000 ó 255	000~100%
	14	Block 3 White	000 ó 255	000~100%
	15	Block 3 Amber	000 ó 255	000~100%

ARC1	Channel	Function	Value	Percent/Setting
	1	Red	000 ó 255	000~100%
	2	Green	000 ó 255	000~100%
	3	Blue	000 ó 255	000~100%

ARC1 + D	Channel	Function	Value	Percent/Setting
	1	Master Dimmer	000 ó 255	000~100%
	2	Red	000 ó 255	000~100%
	3	Green	000 ó 255	000~100%
	4	Blue	000 ó 255	000~100%

ARC2

Channel	Function	Value	Percent/Setting
1	Red	000 ó 255	000~100%
2	Green	000 ó 255	000~100%
3	Blue	000 ó 255	000~100%
4	White	000 ó 255	000~100%
5	Amber	000 ó 255	000~100%

ARC2 + D

Channel	Function	Value	Percent/Setting
1	Master Dimmer	000 ó 255	000~100%
2	Red	000 ó 255	000~100%
3	Green	000 ó 255	000~100%
4	Blue	000 ó 255	000~100%
5	White	000 ó 255	000~100%
6	Amber	000 ó 255	000~100%

ARC2 + S

Channel	Function	Value	Percent/Setting
1	Master Dimmer	000 ó 255	000~100%
2	Red	000 ó 255	000~100%
3	Green	000 ó 255	000~100%
4	Blue	000 ó 255	000~100%
5	White	000 ó 255	000~100%
6	Amber	000 ó 255	000~100%
7	Strobe	000 ó 010 011 ó 255	No Function 00~20 Hz

HSV

Channel	Function	Value	Percent/Setting
1	Hue	000 ó 255	000~100%
2	Saturation	000 ó 255	000~100%
3	Value	000 ó 255	000~100%



- “Hue” refers to the visible light, such as red, yellow, and cyan, etc.
- “Saturation” indicates the dominance of hue in the color; when saturation is at 100%, the color is at its purest.
- “Value” is the color’s brightness; when value is at 100%, the color is at its brightest.

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 optics and plastic 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 or plastic surface.
- Gently polish the lens or plastic surfaces until they are free of haze and lint.



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



DO NOT spin this product's fan using compressed air.

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 Blown fuse Faulty internal power supply	Check for voltage on outlet Check power cord Replace fuse 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 Faulty Display/Main 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 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](mailto:CHAUVET@TechnicalSupport).

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

CHAUVET®

General Information

Address: 5200 NW 108th Avenue
Sunrise, FL 33351 (USA)
Voice: 954-929-1115
Fax: 954-929-5560
Toll free: (800) 762-1084

Technical Support

Voice: 954-929-1115 (Press 4)
Fax: 954-756-8015
Email: tech@chauvetlighting.com

World Wide Web

www.chauvetpro.com

United Kingdom & Ireland

CHAUVET® Europe Ltd.

General Information

Address: Unit 1C
Brookhill Road Industrial Estate
Pinxton, Nottingham (UK)
NG 16 6NT
Voice: +44 (0)1773 511115
Fax: +44 (0)1773 511110

Technical Support

Voice: +44 (0)1773 511115 (Ext 205)
Email: uktech@chauvetlighting.com

World Wide Web

www.chauvetlighting.co.uk

Outside the U.S., UK, 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
	2.9 in (75 mm)	38.9 in (990 mm)	6.1 in (156 mm)	9.8 lbs (4.4 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	87 W	87 W
Operating	1.43 A	.78 A
Power linking	6	11
Fuse/Breaker	3.15 A, 250 V	3.15 A, 250 V

Power I/O	US/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	1 W	50,000 hours

Color	Quantity	Current
Red	18	350 mA
Green	18	350 mA
Blue	18	350 mA
White	9	350 mA
Amber	9	350 mA

Photo Optic	Parameter	Standard 30° Optics
	Illuminance @ 5 m	669 lx
	Beam angle	30°
	Field angle	39.6°

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

DMX	I/O Connectors	Connector Type	Channel Range
	3- and 5-pin XLR	Sockets	3, 4, 5, 6, 7, 9, 13, 15

Ordering	Product Name	Item Code	UPC Number
	COLORado™ Batten 72 Tour	01030101	781462204266



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

CHAUVET®
5200 NW 108th Avenue
Sunrise, FL 33351 (USA)
Toll free (800) 762-1084, Local 954-577-4455
Fax 954-929-5560
www.chauvetlighting.com

COLOrado™ Batten 72 Tour User Manual – Rev. 3, © Copyright 2012
CHAUVET® All rights reserved. Printed in the P. R. C.

