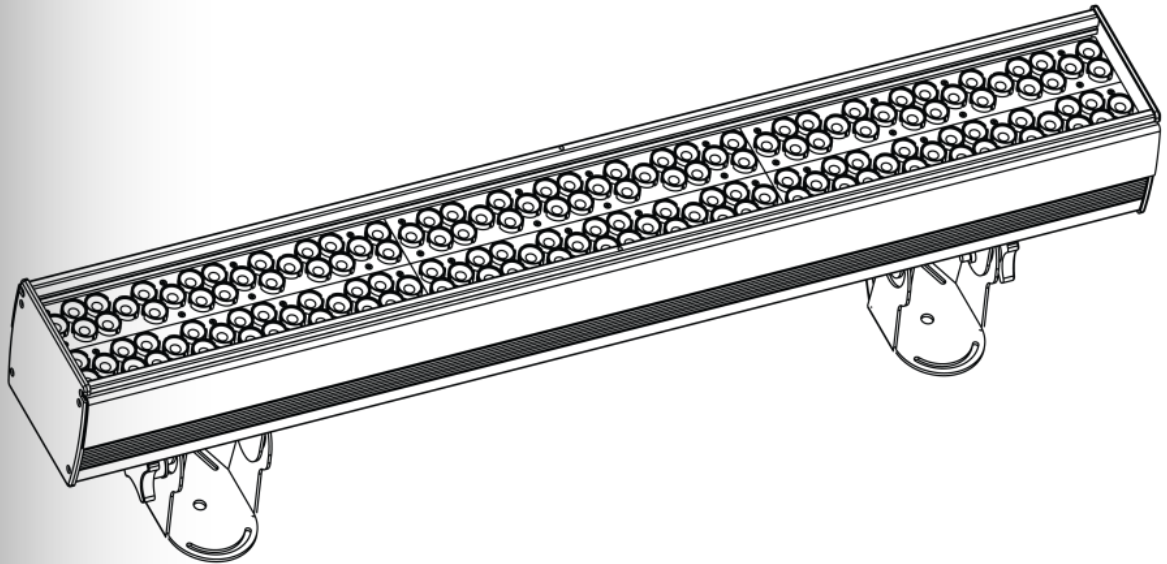# COLORado™ Batten 144 TOUR

User Manual

CHAUVET®
PROFESSIONAL

Edition Notes

Edition Notes

The COLORado™ Batten 144 Tour User Manual Rev. 6 covers the description, safety precautions, installation, programming, operation, and maintenance of the COLORado™ Batten 144 Tour. Chauvet released this edition of the COLORado™ Batten 144 Tour User Manual in June 2015.

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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™ Batten 144 Tour User Manual Rev. 6 supersedes all previous versions of this manual. Discard any older versions of this manual, whether in printed or electronic format, and replace with this version.

Author	Date	Editor	Date
D. Couppe	6/26/15	M. Trouard	4/9/15

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1. Before You Begin

What Is Included	· One COLORado™ Batten 144 Tour · One Glare Shield · One Power Cord · One Warranty Card · One Quick Reference Guide
Unpacking Instructions	Upon receipt, carefully unpack the items and inspect the box. Make sure you have received all the parts in good condition.
Claims	If the box or the 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 7 days of receiving the merchandise. Refer to the Contact Us section in this manual 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.**

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.

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.
· CAUTION: When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
· 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.
· To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
· 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™ Batten 144 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 mounting brackets that double as floor mount feet and hanging support brackets. These brackets have tilt adjust knobs to simplify mounting.

Features

- 3, 4, 5, 6, 7, 9, 12, 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
12-channel:	RGBWA, 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
- User-configurable programs
- RGBWA color mixing with or without DMX control

Additional Features

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

Product Overview

Control Panel-

Safety Eye Bolt

5-Pin DMX In/Out

3-Pin DMX In/Out

Fuse

Power In
Power Out
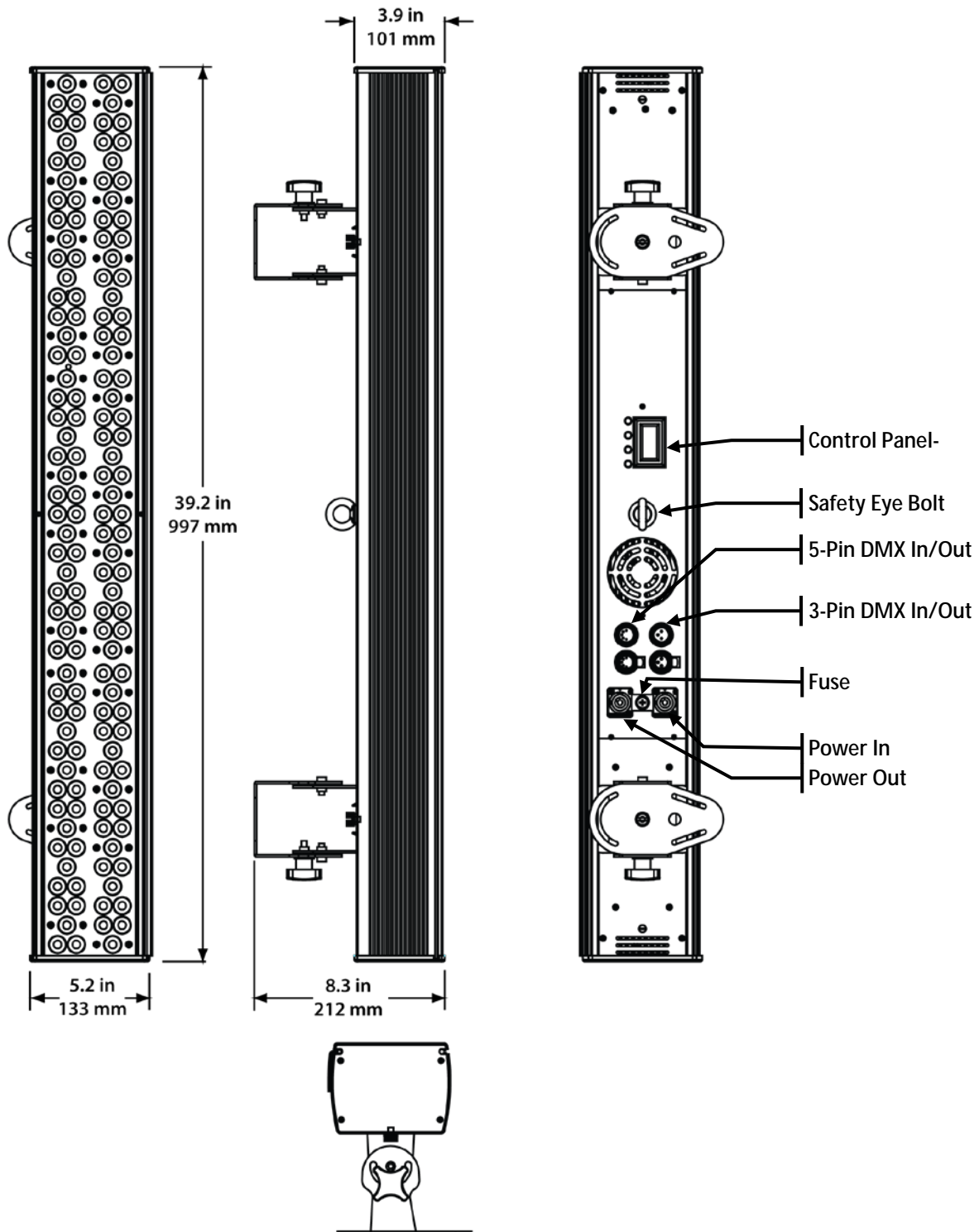
3. Setup

AC Power

The COLORado™ Batten 144 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 144 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.**
· **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

The listed current rating indicates the maximum current draw during normal operation. For more information, download the document *Sizing Circuit Breakers* from the Chauvet website: www.chauvetprofessional.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 144 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 144 Tour supports power linking. You can power link up to 3 products at 120 VAC or 5 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 144 Tour to a DMX controller using a standard DMX serial connection. If using other DMX compatible products with the COLORado™ Batten 144 Tour, you can control each individually with a single DMX controller.

DMX Modes

The COLORado™ Batten 144 Tour uses the standard DMX data connection for the **TOUR**, **BLOCK1**, **BLOCK2**, **ARC1**, **ARC1 +D**, **ARC3**, **ARC3 + D**, **ARC3 + 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 144 Tour to work in these modes.

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

Master/Slave Connectivity

The Master/Slave mode allows a COLORado™ Batten 144 Tour (the "master product") to control one or more COLORado™ Batten 144 Tours (the "slave products") without a DMX controller. One COLORado™ Batten 144 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 or need more information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the *DMX Primer* from the Chauvet website: **www.chauvetprofessional.com**.

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.

Glare Shield

The COLORado™ Batten 144 Tour comes with a glare shield already mounted on the side of the unit. Please refer to the *Product Overview* diagram for reference.

To extend the glare shield, do the following:

1. Loosen the glare shield screw on the front of the fixture.
2. Slide the glare shield on either direction until it is free.
3. Turn over and reinsert the glare shield into either slot so it projects itself over the LEDs lens cover, as shown below.
4. Adjust the angle of the glare shied and tighten the glare shield screw.

Extending the Glare Shield

Folded Position   Extended Position
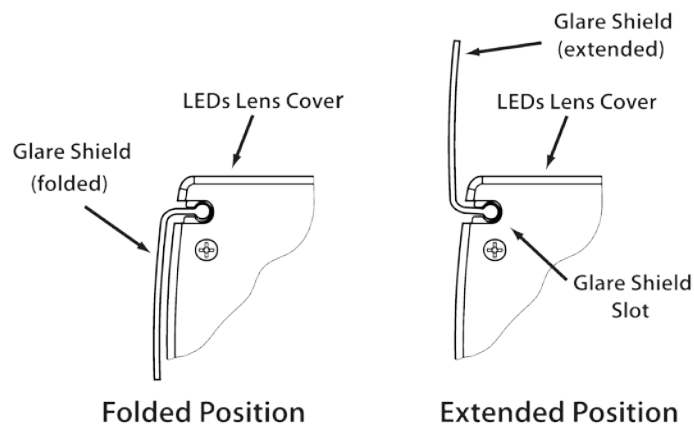
Mounting

Before mounting this product, read and follow the Safety Notes. For our CHAUVET® Professional line of mounting clamps, go to http://trusst.com/products/.

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.

Procedure

The COLORado™ Batten 144 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.
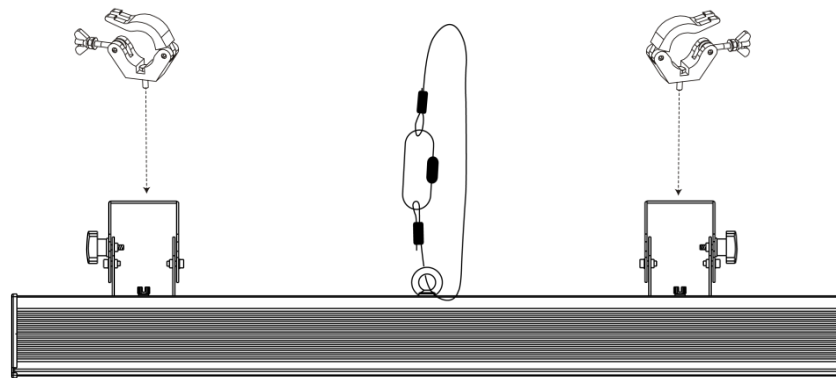
Mounting Diagram

Overhead Mounting
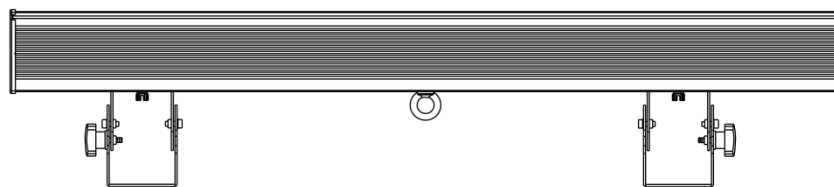
Floor Mounting

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
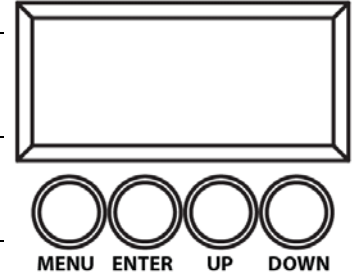
Control Options Programming

You can set the COLORado™ Batten 144 Tour start address in the 001~512 DMX range. This enables control of up to 42 products in the 12-channel TOUR personality.

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 **PERSON** main level.
2.   Select the desired personality (**TOUR**, **ARC1**, **ARC1 + D**, **ARC3**, **ARC3 + D**, **ARC3 + 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

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**).

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	501	**ARC3**	508	**HSV**	510
ARC1	510	**ARC3+D**	507	**BLOCK1**	504
ARC1+D	509	**ARC3+S**	506	**BLOCK2**	498

Static Color   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**, **GREN**, **BLUE**, **WHIT**, 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   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**).
3. When selecting an auto program, you can also select the auto playing speed (**SP000~255**).

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.

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 144 Tours (the slave products) to simultaneously duplicate the output of another COLORado™ Batten 144 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*, 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™ Batten 144 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 144 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.
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.

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 **KEYLOCK** main level.
2. Select **ON** or **OFF**.

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

After being prompted to enter the passcode:

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

Program Upload

This option allows you to copy the custom programs of one COLORado™ Batten 144 Tour onto other COLORado™ Batten 144 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 **PASSCODE** shows, enter the master access passcode (see above).
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 running.**

· **Green indicates that the upload completed successfully.**

· **Red indicates that the upload failed due to an error. Recheck all cable connections and restart.**

DO NOT upload the data from a COLORado™ Batten 144 Tour to a different product. The other product may become inoperative.

Reset

This setting allows you to reset the COLORado™ Batten 144 Tour to the default values, including the custom programs.

1. Go to the **SETTINGS** main level.
2. Select **RESET**.
3. When **PASSCODE** shows, press **<ENTER>**.
4. Enter the master access passcode as described in <u>Control Panel Lock</u>.
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.

1. Go to **CALIB1**.
2. Select a white color (**WHITE1~11**).
3. Select (**RED**, **GREN**, **BLUE**, **WHIT**, or **AMBE**).
4. Select a color value (**000~255**).
5. Repeat for the other colors.

RGBW to White Setting

This setting allows the user to define the maximum RGB values when RGB to White (**RGB TO W**) is active.

1) Go to **CALIB2**.
2) Press **<ENTER>** when you see **RGB TO W** on the display.
3) Select a color (**RED**, **GREN**, or **BLUE**).
4) Select a color value (**000~255**).
5) Repeat for the other colors.

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

> **The values of RED, GREN, 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

These notes clarify how 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 White, and Amber Color Selection

• 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

• 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.

Strobe	· 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.

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	SP	000~255			Choose from 10 automatic programs
	CUSTOM						Choose from 10 customizable programs
ADDRESS	ADDR:		001~512				Sets the DMX starting address
RUN	DMX						Selects the DMX or SLAVE mode
	SLAVE						
PERSON	TOUR						12-channel: RGBWA, 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
	ARC3						5-channel: RGBWA control
	ARC3+ D						6-channel: RGBWA, dimmer
	ARC3+ S						7-channel: RGBWA, dimmer, strobe
	HSV						3-channel: HSV control (hue, saturation, and value)
SETTINGS	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
	DERR		SAVE				All LEDs stay on the last command used when the DMX signal is lost
			BLAK				All LEDs turn off when DMX signal is lost
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	00~20	Selects the strobe frequency
					TIME	000~255	Defines the step duration
					FADE		Defines the fade duration
CALIB1	WHITE	01~11	RED	000~255			Modifies the color macros used in the TOUR personality
			BLUE				
			GREN				
			WHIT				
			AMBE				
CALIB2	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 passcode on or off
	OFF						

DMX Values

	Channel	Function	Value	Percent/Setting
TOUR	1	Master Dimmer	000 ↔ 255	000~100%
	2	Red	000 ↔ 255	000~100% (Step Time when playing custom 01~10)
	3	Green	000 ↔ 255	000~100% (Fade Time when playing custom 01~10)
	4	Blue	000 ↔ 255	000~100%
	5	White	000 ↔ 255	000~100%
	6	Amber	000 ↔ 255	000~100%
	7	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	All LEDs: 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
	8	Strobe	000 ↔ 009	No function
			010 ↔ 255	01~20 Hz

Continues on next page

	Channel	Function	Value	Percent/Setting
TOUR (Cont.)	9	**Auto + Custom Programs + Fan Control**	000 ⚬ 010	No Function
			011 ⚬ 020	Fans Off
			021 ⚬ 025	Fans Low
			026 ⚬ 030	Fans High
			031 ⚬ 040	Fans Auto
			041 ⚬ 050	Auto 1
			051 ⚬ 060	Auto 2
			061 ⚬ 070	Auto 3
			071 ⚬ 080	Auto 4
			081 ⚬ 090	Auto 5
			091 ⚬ 100	Auto 6
			101 ⚬ 110	Auto 7
			111 ⚬ 120	Auto 8
			121 ⚬ 130	Auto 9
			131 ⚬ 140	Auto 10
			141 ⚬ 150	Custom 1
			151 ⚬ 160	Custom 2
			161 ⚬ 170	Custom 3
			171 ⚬ 180	Custom 4
			181 ⚬ 190	Custom 5
			191 ⚬ 200	Custom 6
			201 ⚬ 210	Custom 7
			211 ⚬ 220	Custom 8
			221 ⚬ 230	Custom 9
			231 ⚬ 255	Custom 10
	10	**Auto Speed**	000 ⚬ 255	0~100%
	11	**Dim Speed**	000 ⚬ 009	Dimmer speed as per 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)
	12	**Module Select**	000 ⚬ 010	Blocks 1, 2 & 3
			005 ⚬ 034	Block 1
			035 ⚬ 064	Block 2
			065 ⚬ 094	Block 3
			095 ⚬ 124	Blocks 1 & 2
			125 ⚬ 154	Blocks 2 & 3
			155 ⚬ 184	Blocks 1 & 3
			185 ⚬ 214	Blocks 1, 2 & 3
			215 ⚬ 255	No Function

BLOCK1

Channel	Function	Value	Percent/Setting
1	Block 1 Red	000 ⮕ 255	0~100%
2	Block 1 Green	000 ⮕ 255	0~100%
3	Block 1 Blue	000 ⮕ 255	0~100%
4	Block 2 Red	000 ⮕ 255	0~100%
5	Block 2 Green	000 ⮕ 255	0~100%
6	Block 2 Blue	000 ⮕ 255	0~100%
7	Block 3 Red	000 ⮕ 255	0~100%
8	Block 3 Green	000 ⮕ 255	0~100%
9	Block 3 Blue	000 ⮕ 255	0~100%

BLOCK2

Channel	Function	Value	Percent/Setting
1	Block 1 Red	000 ⮕ 255	0~100%
2	Block 1 Green	000 ⮕ 255	0~100%
3	Block 1 Blue	000 ⮕ 255	0~100%
4	Block 1 White	000 ⮕ 255	0~100%
5	Block 1 Amber	000 ⮕ 255	0~100%
6	Block 2 Red	000 ⮕ 255	0~100%
7	Block 2 Green	000 ⮕ 255	0~100%
8	Block 2 Blue	000 ⮕ 255	0~100%
9	Block 2 White	000 ⮕ 255	0~100%
10	Block 2 Amber	000 ⮕ 255	0~100%
11	Block 3 Red	000 ⮕ 255	0~100%
12	Block 3 Green	000 ⮕ 255	0~100%
13	Block 3 Blue	000 ⮕ 255	0~100%
14	Block 3 White	000 ⮕ 255	0~100%
15	Block 3 Amber	000 ⮕ 255	0~100%

ARC1

Channel	Function	Value	Percent/Setting
1	Red	000 ⮕ 255	0~100%
2	Green	000 ⮕ 255	0~100%
3	Blue	000 ⮕ 255	0~100%

ARC1 + D

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%

ARC3

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%
5	Amber	000 ⇔ 255	0~100%

ARC3 + D

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	White	000 ⇔ 255	0~100%
6	Amber	000 ⇔ 255	0~100%

ARC3 + 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	White	000 ⇔ 255	0~100%
6	Amber	000 ⇔ 255	0~100%
7	Strobe	000 ⇔ 010 011 ⇔ 255	No Function 00~20 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%

- **"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:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and accessible internal components.
4. Clean all external optics and plastic surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
5. Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
6. Wipe any dirt or grime to the outside edges of the lens or plastic surface.
7. 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.

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).

Technical Specifications

Dimensions and Weight	**Length**	**Width**	**Height**	**Weight**
	39.3 in (998 mm)	5.2 in (132 mm)	8.2 in (209 mm)	19.6 lbs (8.89 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	181 W	169 W
	Operating	1.52 A	0.79 A
	Power linking	3	5
	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

	Type	**Power**	**Lifespan**
Light Source	LED	1 W	50,000 hours

	Color	**Quantity**	**Current**
	Red	36	350 mA
	Green	36	350 mA
	Blue	36	350 mA
	White	18	350 mA
	Amber	18	350 mA

	Parameter	**Standard 15/30º Optics**
Photometrics	Illuminance @ 5 m	2,075 lx
	Beam angle	17.3º
	Field angle	36.2º

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

	I/O Connectors	**Connector Type**	**Channel Range**
DMX	3- and 5-pin XLR	Sockets	3, 4, 5, 6, 7, 9, 12, 15

	Product Name	**Item Code**	**UPC Number**
Ordering	COLORado™ Batten 144 Tour	01030105	781462205843

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CONFORMS TO UL STD. 1573

CERTIFIED TO CSA STD. C22.2 No. 166

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