USER MANUAL

OVATION R Ê V E E-3







Edition Notes

The Ovation Rêve E-3 User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Ovation Rêve E-3.

Trademarks

CHAUVET, the Chauvet logo and Ovation Rêve E-3 are registered trademarks or trademarks of Chauvet & Sons, LLC (d/b/a Chauvet and Chauvet Lighting) in the United States and other countries. Other company and product names and logos referred to herein may be trademarks of their respective companies.

Copyright Notice

The works of authorship contained in this manual, including, but not limited to, all design, text and images are owned by Chauvet.

© Copyright 2021 Chauvet & Sons, LLC. All rights reserved.

Electronically published by Chauvet in the United States of America.

Manual Use

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 best 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 the printer to scale the content accordingly.

Intended Audience

Any person 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 and specifically disclaims any and all liability to any party for any loss, damage or disruption caused by any errors or omissions in this document, whether such errors or omissions result from negligence, accident or any other cause. Chauvet reserves the right to revise the content of this document without any obligation to notify any person or company of such revision, however, Chauvet has no obligation to make, and does not commit to make, any such revisions. Download the latest version from www.chauvetprofessional.com.

Document Revision

This Ovation Rêve E-3 User Manual is the 1st edition of this document. Go to www.chauvetprofessional.com for the latest version.



TABLE OF CONTENTS

1.	Before You Begin	1
	What Is Included	1
	Claims	
	Manual Conventions	
	Symbols	
	RF Exposure Warning for North America and Australia	
	Safety Notes	2
	Personal Safety	2
	Mounting and Rigging	2
	Power and Wiring	
	Operation	
	Expected LED Lifespan	
2.	Introduction	3
	Features	
	Product Overview	
	Product Dimensions	
_		
3.	Setup	6
	AC Power	
	AC Plug	6
	Power Linking	
	Fuse Replacement	6
	DMX Linking	6
	DMX Personalities	6
	Remote Device Management	6
	Master/Slave Connectivity	7
	Mounting	
	Orientation	
	Rigging	7
	Procedure	7
	Adjustable Yoke	8
	USB Software Update	
	Lens Tubes	
4.	Operation	
	Control Panel Operation	9
	Control Options	9
	Programming	9
	Configuration (DMX)	
	DMX Personalities	
	Starting Address	_
	Menu Map	
	Configuration (Standalone)	_
	Virtual Color Wheel	
	Color Temperature	
	Manual Color Mixer	
	Auto Programs	
	Red Shift	
	Master/Slave	
	Dimmer Curve	
	Dimmer Profiles	
	Color Calibration	15



LED Frequency	15
Fan Mode	15
Back Light	15
System Information	15
Virtual Color Wheel	16
Virtual Color Wheel Chart	16
Color Temperature Chart	17
Color Temperature DMX Chart	17
DMX Values	18
18Ch	18
14Ch1	19
14Ch2	20
12Ch	20
8Ch	20
6Ch	21
5Ch	21
1Ch	
HSV	21
5. Technical Information	22
Product Maintenance	22
6. Technical Specifications	23
Returns	24
Contact Us	25



1. Before You Begin

What Is Included

- Ovation Rêve E-3
- Seetronic Powerkon IP65 power cord
- · Ovation metal gobo holder

- Soft focus filter
- Quick Reference Guide

Claims

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate customer's claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

Manual Conventions

Convention	Meaning			
1–512 A range of values				
50/60 A set of values of which only one can be chosen				
<set></set>	A button on the product's control panel			
Settings	A product function or a menu option			

Symbols

Symbol	Meaning
A	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
<u></u>	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
(i)	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.



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

FCC Compliance

This device complies with Part 15 Part B of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Warning for North America and Australia

Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.



This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.



All applicable local codes and regulations apply to proper installation of this product.

Personal Safety

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Do not touch the product's housing when operating because it may be very hot.

Mounting and Rigging

- This product is for indoor use only! Do not operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (IP20).
- Do not leave any flammable material within 50 cm of this product while operating or connected to
- . 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.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- When hanging this product, always secure to a fastening device using a safety cable.
- Use only the hanging/mounting bracket to carry this product.

Power and Wiring

- Ensure that the power cord is not crimped or damaged.
- Always ensure that the product is connected to proper voltage in accordance with the specifications in this manual or on the product's specification label.
- Make sure to replace the fuse with another of the same type and rating.
- Never connect the product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 10 ft (3 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- The luminaire is intended for professional use only.
- Do not operate this product if there is damage on the housing, lenses, or cables. Have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is 113 °F (45 °Č). Do not operate the product at higher temperatures. The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- In the event of a serious operation problem, stop using this product immediately!



If your Chauvet product requires service, contact Chauvet Technical Support.

Expected LED Lifespan

Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product, and limit the overall intensity.



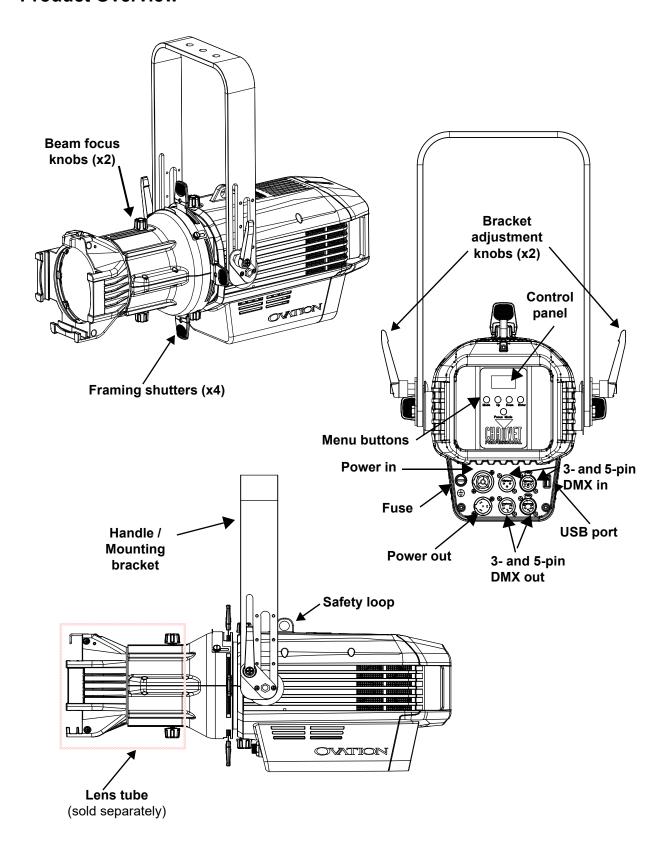
2. Introduction

Features

- · Operating modes:
 - HSV: hue, saturation, value control, gobo rotator
 - 1-channel: dimmer
 - 5-channel: dimmer, virtual color wheel (VCW), color temperature, hue, gobo rotator
 - 6-channel: red, green, blue, amber, mint (RGBAM) control, gobo rotator
 - 8-channel: dimmer, RGBAM control, strobe, gobo rotator
 - 12-channel: 16-bit dimmer, RGBAM control, strobe, VCW, color temperature, hue, gobo rotator
 - 14-channel: dimmer, RGBAM control, strobe, VCW, color temperature, hue, auto programs, auto speed, control, gobo rotator
 - 14-channel: 16-bit dimmer, 16-bit RGBAM control, strobe, gobo rotator
 - 18-channel: 16-bit RGBAM and dimmer, strobe, VCW, color temperature, hue, control, gobo rotator
- Full-spectrum LED ERS-style lighting fixture for theatre, film and production
- Linear color temperature presets from 2800 K to 8000 K with high CRI and CQS
- · Virtual color wheel with color matched to popular gel colors
- +/- Green adjustment and emulated red-shift via DMX or on-board control
- · RDM (Remote Device Management) for added flexibility
- · Adjustable PWM (Pulse Width Modulation) to avoid flickering on camera
- Virtually silent operation for use in studio, film and theatre applications
- Ultra-smooth 16-bit dimming curves and speeds to complement any lighting scheme.
- Innovative adjustable yoke for mounting in low clearance areas
- · Direct power/data connection and control options for the Ovation GR-1 gobo rotator
- USB port for fixture software updates

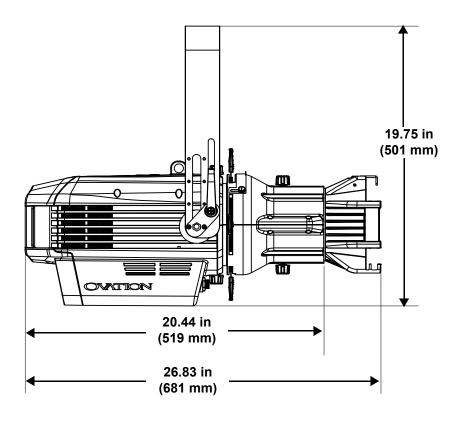


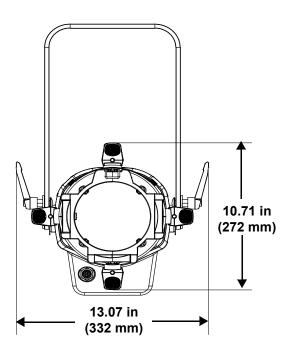
Product Overview





Product Dimensions







3. Setup

AC Power

Each Ovation Rêve E-3 has an auto-ranging power supply that works with an input voltage range of 100 to 240 V~, 50/60 Hz. To determine the power requirements for each Ovation Rêve E-3, refer to the label affixed to the product or to the <u>Technical Specifications</u> chart in this manual.

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



- Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.



Never connect the 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 Ovation Rêve E-3 comes with a power input cord terminated with a Seetronic Powerkon IP65 connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with the product has no plug, or if the plug needs to be changed, use the table below to wire the new plug.

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

Power Linking

The product supports power linking. It is possible to link up to 3 Ovation Rêve E-3 products at 100 V, 4 products at 120 V, 7 products at 208 V, or 8 products at 230/240 V. This product comes with a power input cord. Power-linking cables are available for purchase from Chauvet.

Fuse Replacement

- 1. Disconnect this product from the power outlet.
- 2. Using a Phillips-head screwdriver, unscrew the fuse holder cap from the housing.
- 3. Remove the blown fuse and replace with another fuse of the same type and rating (T 6.3 A, 250 V).
- 4. Screw the fuse holder cap back in place and reconnect power.



Make sure to disconnect the product's power cord before replacing a blown fuse. Always replace the blown fuse with another of the same type and rating.

DMX Linking

The Ovation Rêve E-3 can be linked to a DMX controller using a 3- and 5-pin DMX connection. If using other DMX-compatible products with this product, it is possible to control each individually with a single DMX controller.

DMX Personalities

The Ovation Rêve E-3 uses a 3- and 5-pin DMX data connection for the 1Ch, 5Ch, 6Ch, 8Ch, 12Ch, 14Ch1, 14Ch2, 18Ch, and HSV DMX personalities.

- Refer to the Introduction for a brief description of each DMX personality.
- Refer to the <u>Operation</u> chapter to learn how to configure the Ovation Rêve E-3 to work in these
 personalities.
- The DMX Values section provides detailed information regarding the DMX personalities.



For 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.

Remote Device Management

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check with the manufacturer or the DMX controller's User Manual, as not all DMX controllers have this capability. The Ovation Rêve E-3 supports RDM protocol that allows feedback to make changes to menu map options.



Master/Slave Connectivity

The Master/Slave mode allows an Ovation Rêve E-3 (the master) to control one or more Ovation Rêve E-3 products (the slaves) without a DMX controller. Once Ovation Rêve E-3 becomes the master when running an auto or custom program, or in Static mode.

Each slave's control panel must be configured to operate in Slave mode. During Master/Slave operation, the slaves will operate in unison with the master.



DO NOT connect a DMX controller to products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master.



- The Operation section of this manual provides detailed instructions on how to configure the master and slaves.
- For more information about DMX standards or the DMX cables needed to link this
 product to a DMX controller, download the DMX primer from the Chauvet website:
 www.chauvetprofessional.com.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the <u>Safety Notes</u>. For CHAUVET Professional line of mounting clamps, go to: http://trusst.com/products/.

Orientation

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

Rigging

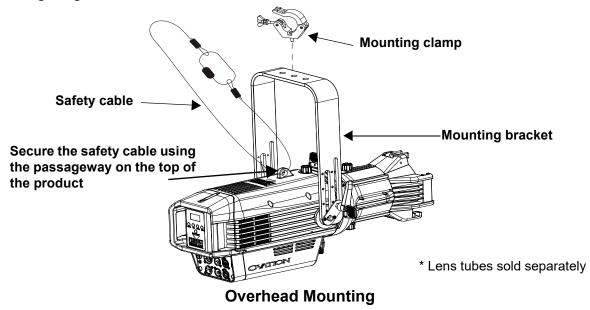
Chauvet recommends using the following general guidelines when mounting this product:

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure onto which the product will be mounted can support the product's weight. See the <u>Technical Specifications</u> for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

Procedure

The Ovation Rêve E-3 comes with a double-bracketed yoke that can be used as a floor stand or to which mounting clamps can be attached for hanging. Mounting clamps must be purchased separately. Ensure that the clamps can support the weight of this product. Use at least one mounting point per product where necessary.

Mounting Diagram

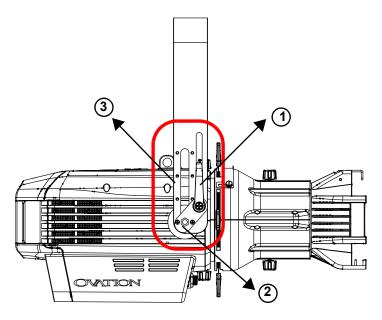




Adjustable Yoke

The Ovation Rêve E-3 comes with an adjustable yoke for mounting in low-clearance areas. To modify the height of the yoke, do the following:

- 1. Loosen the bracket adjustment knobs on both sides of the fixture.
- 2. On each side of the fixture, remove the two screws and loosen the bolt attaching the plate to the mounting bracket.
- 3. Using the screw holes as guide, adjust the position of the mounting bracket to achieve the desired height of the yoke.
- 4. Put the screws back in place, and tighten the bolts and the bracket adjustment knobs.



USB Software Update

The Ovation Rêve E-3 allows for software update through USB using the built-in USB port. To update the software using USB flash drive, do the following:

- 1. Power on the fixture and plug the flash drive into the USB port.
- 2. Once the flash drive has been detected, the message "Upgrade Firmware" will be displayed. Press ENTER. If a different message appears on the display, search for the updated software in the **Menu (Updated Firmware)**. A list of the updated software files will be displayed.
- 3. Select the file that needs to be uploaded. The message "Are you sure?" will be displayed. Press ENTER.
- 4. If the selected file is correct, the upgrade will be completed. Restart the fixture. If the selected file is incorrect, the upgrade will fail, and the display will go back to the main interface. Repeat steps 1-3 using the correct file.



The .chl format file needs to be placed in the OVATION folder in the USB flash drive.

Lens Tubes

The following lens tubes are available for purchase:

- 19°, 26°, 36°, and 50° with gel frame (6.25 in/159 mm accessories)
- 5° gel frame (14 in/356 mm)
- 10° gel frame (12 in/304 mm)
- 14°, 15–30° and 25°–50° zoom gel frame (7.5 in/191 mm accessories)



4. Operation

Control Panel Operation

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

Control Options

Set the Ovation Rêve E-3 starting address in the 001-512 DMX range. This enables control of up to 8 products in the 17-channel personality.

Programming

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

- To go to the desired main level, press **<MENU>** repeatedly until the option shows on the display. Press **<ENTER>** to select. This will show 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. This will show either the first option if
 there is another programming level, or the selected value.
- Press <MENU> repeatedly to exit to the previous main level.

Configuration (DMX)

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

DMX Personalities

This setting allows the user to choose a particular DMX personality.

- 1. Go to the **DMX Channel** main level.
- Select the desired personality (1Ch, 5Ch, 6Ch, 8Ch, 12Ch, 14Ch1, 14Ch2, 18Ch, and HSV).



- See the <u>Starting Address</u> section for the highest starting address suggested for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

Starting Address

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

- 1. Go to the **DMX Address** main level.
- 2. Set the starting address (001–512).

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

DMX Personality	DMX Address	DMX Personality	DMX Address
HSV	509	8Ch	505
1Ch	512	12Ch	501
5Ch	508	14Ch	499
6Ch	507	18Ch	495



Menu Map

Refer to the Ovation Rêve E-3 product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels		Description	
DMX Address			Selects DMX address (*highest channel restricted to personality chosen)	
		Virtual Color Wheel		
	1Ch	Color Temperature	1-channel: dimmer	
		Manual Color Mixer		
	5Ch	1	5-channel: dimmer, virtual color wheel (VCW), color temperature, hue, gobo rotator	
	6Ch		6-channel: red, green, blue, amber, mint, gobo rotator	
DMX Channel	8Ch	1	8-channel: dimmer, RGBAM, strobe, gobo rotator	
	12C	h	12-channel: 16-bit dimmer, RGBAM, strobe, VCW, color temperature, hue, gobo rotator	
	14Ch	11	14-channel: dimmer, RGBAM, strobe, VCW, color temperature, hue, auto programs, auto speed, control, gobo rotator	
	14Ch2		14-channel: 16-bit dimmer, 16-bit RGBAM, strobe, gobo rotator	
	18Ch		18-channel: 16-bit RGBAM and dimmer, strobe, VCW, color temperature, hue, control, gobo rotator	
	H6//		4-channel: hue, saturation, value, gobo rotator	



Main Level		rogramming Levels		Description
Virtual Color Wheel	Virtual Color Wheel	23050 - Md Yellow 23040 - Lt Yellow 23240 - Amb Yellow 2340 - VLt Amber 22040 - Lt Amber 22050 - Md Amber 22060 - Dk Amber 21050 - Lt Red 21050 - Md Red 21050 - Md Pink 21030 - Md Pink 21030 - Md Pink 21050 - M Red Amber 21050 - M Red Amber 21050 - Dk Red Amber 21050 - Dk Red Amber 21050 - Lt Lavender 25030 - Lt Blue 25050 - Md Blue 25050 - Md Blue 25050 - Md Blue 25050 - Turquoise 24570 - Green 24550 - Turquoise 24570 - Blue Green	Dimmer 0–255	Virtual Color Wheel simulates the output of each gel color. Refer to the Virtual Color Wheel Chart for specific values.



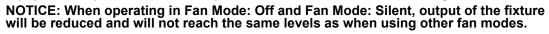
Main Level	Iain Level Programming Levels Description							
		2800K 2900K 3000K 3100K 3200K 3300K 3400K 3500K 3600K 3700K 3800K 4000K 4100K 4200K	Dimmer	0–255				
Virtual Color Wheel	Color Temperature	4300K 4400K	Hue	-25–25	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the Color Temperature Chart for specific values.			
	Manual Color Mixer	Gr Bl Am	Red reen Blue 000–255 mber Aint		Combines red, green, blue, amber, and mint to make a custom color (0–100%)			
Auto Show	Auto	1–5	1–10	00	Selects automatic programs and auto program speed			
Red Shift	On Off 000–255				Mimics halogen lamp dimming			
Gobo Rotator			Controls the gobo rotator					
Master/ Slave	Master Slave			Receives DMX signal from the DMX controller (master) Receives DMX signal from the master unit				
Dimmer Curve	SCurve Linear Square Inverse Square			Sets the dimmer curve				



Main Level	Programming Levels			Description			
Dimmer	Off			Linear dimmer			
Mode					Dimming curves, from fast (Dimmer 1) to slow (Dimmer 3)		
				Deactivates color calibration			
			Red		Sets red LED maximum value		
Color	User Calibration	Gre			Sets green LED maximum value		
Calibration		BI					
Galibration	Gunbration		ber		Sets amber LED maximum value		
			int		Sets mint LED maximum value		
		Factory Cal			Uses factory default white setting		
		600H	Z				
		1200H	·ΙΖ				
LED		2000H	łz		Sata the DMM output frequency		
Frequency	4000Hz				Sets the PWM output frequency		
	6000Hz						
		25KH	lz				
	Auto			Sets the fan to auto mode			
Fan Mode	On			Sets the fan to always on			
rail widde	Off			Sets the fan to always off			
	Silent				Sets the fan to silent		
	10S			Turns off display backlight after 10 seconds of inactivity			
Back Light	30S				Turns off display backlight after 30 seconds of inactivity		
-	2Min				Turns off display backlight after 2 minutes of inactivity		
	Always On			Display backlight always on			
Gobo Power	On Off				Enables/disables gobo power output		
	Fixture	Hours		_H	Shows total hours the product has been powered on		
Information	LED H			_H	Shows total hours the LED has been powered on		
	Version V			Shows current firmware version			
	UID			Shows product UID			
Upgrade Firmware				Enables software updates			
Reset Factory	No Yes			Resets settings to factory default			



WARNING: When operating in Fan Mode: Off and Fan Mode: Silent, the fixture will become hotter to the touch than when using other fan modes. Use proper protective equipment to prevent burns. Keep a safe distance from flammable objects.





Configuration (Standalone)

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

Virtual Color Wheel

- Go to the Virtual Color Wheel main level.
- 2. Select Virtual Color Wheel.
- 3. Select the desired gel color (see Virtual Color Wheel Chart).
- 4. Select the desired output level (000-255).

Color Temperature

To select a color temperature, do the following:

- 1. Go to the Virtual Color Wheel main level.
- 2. Select Color Temperature.
- 3. Select the desired color temperature (see Color Temperature Chart).
- 4. Select the desired output level (000-255).

Manual Color Mixer

To do color mixing without a DMX controller, follow the instructions below:

- 1. Go to the Virtual Color Wheel main level.
- 2. Select Manual Color Mixer.
- 3. Select the color to edit (Red, Green, Blue, Amber, or Mint).
- 4. Select the desired output level for that color (000–255).
- 5. Repeat steps 3 and 4 until product outputs as desired.

Auto Programs

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

- 1. Go to **Auto Show** main level.
- 2. Select the desired auto program (Auto 1-5).
- 3. Select the desired speed (1-100).

Red Shift

The Red Shift function causes the amber LEDs to imitate the appearance of a halogen lamp when dimming. To adjust the Red Shift function, do the following:

- 1. Go to the **Red Shift** main level.
- 2. Select On or Off.

Master/Slave

The Master/Slave mode allows a group of Ovation Rêve E-3 products (the slaves) to simultaneously duplicate the output of another Ovation Rêve E-3 (the master) without a DMX controller. To set each of the slaves:

- 1. Go to the Master/Slave main level
- Select Slave.

To set the master:

- 1. Go to the Master/Slave main level
- 2. Select Master.
- Select a static setting.



- The master is the one that runs a program whether in Auto or Static mode.
- Do not connect a DMX controller to the products configured for Master/Slave operation. The DMX controller may interfere with signals from the master.
- The master should be the first product in the daisy chain.

Dimmer Curve

To set the dimmer curve, follow the instructions below:

- 1. Go to the **Dimmer Curve** main level.
- 2. Select the desired option (SCurve, Linear, Square, or Inverse Square).



Dimmer Profiles

This setting determines how fast the output of the Ovation Rêve E-3 changes when the output value is modified. It provides four different options to simulate the dimming curve of an incandescent lighting product. To select a specific dimmer profile, do the following:

- Go to the **Dimmer Mode** main level.
- 2. Select a dimmer curve (Off, Dimmer 1, Dimmer 2, or Dimmer 3).



Off: The output is proportional (linear) to the dimmer channel value.

Dimmer 1-3: The output follows the dimmer value based on the corresponding dimmer curve, Dimmer 1 being the fastest.



For optimum control of the 16-bit dimming channels in the 12Ch, 14Ch2, and 18Ch personalities, ensure that the dimming curves in Dimmer Mode are set to Off.

Color Calibration

This setting determines the maximum output values for each color, which affects the appearance of a full output white.

- 1. Go to the **Color Calibration** main level.
- 2. Select **Off** (deactivates color calibration), **User Calibration**, or **Factory Calibration** (the product will use a default white setting).
- For User Calibration mode, select the color value to edit (Red, Green, Blue, Amber, or Mint).
- 4. Set the maximum value for the selected color (125–255).
- 5. Repeat steps 3 and 4 until the product outputs as desired.

LED Frequency

This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the Ovation Rêve E-3. To do so, follow the instructions below:

- 1. Go to the **LED Frequency** main level.
- 2. Select PWM Frequency (600Hz, 1200Hz, 2000Hz, 4000Hz, 6000Hz, or 25Khz).

Fan Mode

This setting determines how the fan speed on the Ovation Rêve E-3 is set.

- 1. Go to the Fan Mode main level
- 2. Select **Auto** (fan speed will increase or decrease based on product temperature), **Off** (fan will stay off. Product output will decrease based on product temperature), **Silent** (fan will maintain a constant silent speed), or **On** (fan speed will always be at maximum).



NOTICE: When operating in Fan Mode: Off, the output of the fixture will be reduced and will not reach the same levels as when using other fan modes.



WARNING: When operating in Fan Mode: Off, the fixture will become hotter to the touch than when using other fan modes. Use proper protective equipment to prevent burns. Keep a safe distance from flammable objects.

Back Light

This setting allows for selection of the amount of time the backlight on the Ovation Rêve E-3's display stays on after the last button is pressed on the control panel.

- Go to the Back Light main level.
- Select 10S (10 seconds), 30S (30 seconds), 2Min (2 minutes), or Always On (remains on).

System Information

This option displays the total number of hours the product has run, the installed software version, and the product's UID.

- 1. Go to the **Information** main level.
- 2. Select Fixture Hours, LED Hours, Version, or UID.



Virtual Color Wheel

The Ovation Rêve E-3 includes a feature called the Virtual Color Wheel (VCW). This feature is available as a standalone control mode for manual use and as a control channel in select DMX personalities. More than 30 premixed colors, custom blended by Chauvet engineers, are available to call up for easier programming. The DMX values used to mix these colors are provided below. The overall intensity of the Ovation fixture can be adjusted to more closely replicate familiar industry-standard colors. A chart is available at www.chauvetprofessional.com to compare Chauvet's premixed colors with popular gel colors. This chart is for comparison purposes only and is not an assertion that Chauvet's premixed colors match any of the gel colors listed.

Virtual Color Wheel Chart

Virtual Color Villeer Chart							
DMX Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Mint Value	
000 🗢 005							
006 👄 013	C3050 - Md Yellow	255	225	0	255	37	
014 🗢 021	C3040 - Lt Yellow	255	177	3	255	37	
022 😂 028	C3240 - Amb Yellow	255	220	0	255	0	
029 👄 035	C2340 - VLt Amber	195	0	15	255	57	
036 👄 043	C2040 - Lt Amber	255	0	11	255	61	
044 👄 051	C2050 - Md Amber	255	53	0	255	17	
052 ⇔ 059	C2060 - Dk Amber	255	8	0	255	17	
060 ⇔ 067	C1050 - Lt Red	255	0	3	14	0	
068 ⇔ 075	C1080 - Md Red	255	0	2	0	0	
076 👄 083	C1020 - NC Pink	255	75	62	255	73	
084 👄 091	C1030 - Md Pink	255	75	57	255	41	
092 ⇔ 099	C1630 - Dk Pink	218	77	57	255	61	
100 😂 107	C1250 - Md Red Amber	255	0	9	168	0	
108 ⇔ 115	C1060 - Dk Red Amber	255	5	9	36	0	
116 121	C1650 - Magenta	255	3	62	255	12	
122 😂 130	C6170 - Dk Magenta	255	0	55	0	0	
131 ⇔ 138	C6020 - Lt Lavender	255	220	93	255	44	
139 <code-block> 146</code-block>	C5030 - Lt Blue	0	255	159	112	78	
147 ⇔ 154	C5020 - VLt Blue	0	215	145	196	65	
155 ⇔ 162	C5430 - Lt Blue2	0	215	132	52	92	
163 😂 170	C5070 - Blue	0	195	188	0	19	
171 ⇔ 178	C5050 - Md Blue	0	163	190	0	68	
179 ⇔ 186	C5060 - Dk Blue	0	128	193	0	38	
187 ⇔ 194	C5690 - Indigo	53	9	255	0	0	
195 ⇔ 202	C5080 - VDk Blue	7	84	116	0	0	
203 <code-block> 210</code-block>	C5081 - VDk Blue2	11	82	139	0	0	
211 <code-block> 218</code-block>	C4370 - Yel Green	0	255	2	25	0	
219 <code-block> 226</code-block>	C4070 - Green	0	255	9	0	175	
227 <code-block> 234</code-block>	C4550 - Turquoise	0	255	87	96	255	
235 <code-block> 242</code-block>	C4560 - Aqua	0	255	98	44	255	
243 ⇔ 250	C4570 - Blue Green	0	255	26	8	0	
251 ⇔ 255	-						



Note: The colors above are simulated renditions of the color output produced compared with other similar incandescent products. Chauvet makes no guarantee of the color output accuracy.



Color Temperature Chart

Color Temperature	Red Value	Green Value	Blue Value	Amber Value	Mint Value
2800K	253	0	25	255	145
2900K	253	3	28	255	153
3000K	251	5	33	255	161
3100K	248	7	36	255	169
3200K	245	9	45	255	173
3300K	242	13	47	255	182
3400K	237	22	53	255	185
3500K	230	30	58	255	185
3600K	225	40	64	255	185
3700K	221	48	70	255	185
3800K	220	48	74	255	197
3900K	220	50	79	255	203
4000K	210	58	84	255	203
4100K	205	63	88	255	203
4200K	199	68	95	255	204
4300K	189	69	98	255	204
4400K	183	71	103	255	204
4500K	174	78	107	255	204
4600K	170	80	112	255	204
4700K	166	89	119	255	204
4800K	164	98	123	255	203
4900K	163	100	129	255	205
5000K	163	103	137	255	206
5100K	163	108	142	255	208
5200K	163	116	147	255	208
5300K	163	118	156	255	210
5400K	162	122	162	255	216
5500K	162	124	166	255	224
5600K	162	127	172	255	229
5700K	159	127	177	255	231
6000K	158	134	192	241	231
6500K	152	152	206	225	231
7000K	144	157	224	218	231
7500K	127	172	238	218	231
8000K	122	175	255	200	231



Note: The color temperatures above are simulated renditions of the color output produced compared with a tungsten lamp at the specified color temperature. Chauvet makes no guarantee of the color output accuracy.

Color Temperature DMX Chart

DMX Channel	Color Temperature	DMX Channel	Color Temperature	DMX Channel	Color Temperature
000 ⇔ 005	No function	084 ⇔ 090	3900–4000K	168 ⇔ 174	5100-5200K
006 ⇔ 013	2800-2900K	091 ⇔ 097	4000–4100K	175 ⇔ 181	5200-5300K
014 ⇔ 020	2900-3000K	098 ⇔ 104	4100-4200K	182 ⇔ 188	5300-5400K
021 ⇔ 027	3000-3100K	105 ⇔ 111	4200-4300K	189 ⇔ 195	5400-5500K
028 🗢 034	3100-3200K	112 🖈 118	4300-4400K	196 ⇔ 202	5500-5600K
035 ⇔ 041	3200-3300K	119 ⇔ 125	4400-4500K	203 <code-block> 209</code-block>	5600-5700K
042 ⇔ 048	3300-3400K	126 ⇔ 132	4500-4600K	210 <code-block> 216</code-block>	5700-6000K
049 ⇔ 055	3400-3500K	133 ⇔ 139	4600-4700K	217 ⇔ 223	6000-6500K
056 ⇔ 062	3500-3600K	140 ⇔ 146	4700-4800K	224 230	6500-7000K
063 ⇔ 069	3600-3700K	147 ⇔ 153	4800-4900K	231 ⇔ 237	7000-7500K
070 ⇔ 076	3700-3800K	154 ⇔ 160	4900-5000K	238 <code-block> 244</code-block>	7500-8000K
077 ⇔ 083	3800-3900K	161 ⇔ 167	5000-5100K	245 ⇔ 255	8000K



DMX Values

18Ch

Function	Value	Percent/Setting	
Dimmer	000 ⇔ 255	0–100%	
Dimmer fine	000 ⇔ 255	0–100%	
Red	000 ⇔ 255	0–100%	
Red fine	000 ⇔ 255	0–100%	
5 Green		0–100%	
6 Green fine		0–100%	
7 Blue		0–100%	
Blue fine		0–100%	
Amber		0–100%	
Amber fine		0–100%	
Mint	000 ⇔ 255	0–100%	
Mint fine	000 ⇔ 255	0–100%	
Strobe		No function	
	011 ⇔ 255	Strobe, slow to fast	
Virtual color wheel		Refer to Virtual Color Wheel Chart	
Color temperature			
Hue	000 ⇔ 000	0	
Tide	001 ⇔ 255	-25–25	
		No function	
		Dimmer reset	
		Red shift on	
	024 031	Red shift off	
	032 ⇔ 039	S-curve dimmer	
	040 ⇔ 047	Linear dimmer	
	048 ⇔ 055	Square dimmer curve	
	056 ⇔ 063	Inverse square dimmer curve	
	064 ⇔ 071	Dimmer speed mode OFF	
(Hold for 5 secords)	072 ⇔ 079	Dimmer speed 1 (fastest)	
	080 ⇔ 087	Dimmer speed 2	
	088 ⇔ 095	Dimmer speed 3 (slowest)	
	096 ⇔ 103	Fan auto	
	104 ⇔ 111	Fan on	
	10 1 77 111		
	112 🖨 119	Fan off	
	112 😂 119	Fan off Fan silent	
	112 ⇔ 119 120 ⇔ 127 128 ⇔ 255	Fan silent Reserved for future use	
	112 ⇔ 119 120 ⇔ 127 128 ⇔ 255 000 ⇔ 127	Fan silent Reserved for future use Index	
Gobo rotator	112 ⇔ 119 120 ⇔ 127 128 ⇔ 255	Fan silent Reserved for future use	
	Dimmer Dimmer fine Red Red fine Green Green fine Blue Blue fine Amber Amber fine Mint Mint fine Strobe Virtual color wheel	Dimmer 000 ⇔ 255 Red 000 ⇔ 255 Red fine 000 ⇔ 255 Green 000 ⇔ 255 Green fine 000 ⇔ 255 Blue 000 ⇔ 255 Blue fine 000 ⇔ 255 Amber 000 ⇔ 255 Mint 000 ⇔ 255 Mint fine 000 ⇔ 255 Strobe 000 ⇔ 010 Virtual color wheel 000 ⇔ 255 Color temperature 000 ⇔ 255 Hue 000 ⇔ 000 001 ⇔ 255 000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 103	



14Ch1

Channel	Function	Value	Percent/Setting	
1	Dimmer	000 ⇔ 255	0–100%	
2	Red	000 ⇔ 255	0–100%	
3	Green	000 ⇔ 255	0–100%	
4	Blue	000 ⇔ 255	0–100%	
5	Amber	000 ⇔ 255	0–100%	
6	Mint	000 ⇔ 255 000 ⇔ 010	0–100%	
7	7 Strobe		No function	
-			Strobe, slow to fast	
8	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart	
9	Color temperature	000 ⇔ 255	Refer to Color Temperature DMX Chart	
10	Hue	000 ⇔ 000	0	
10	Tide	001 ⇔ 255	-25–25	
		000 ⇔ 010	No function	
	Auto programs	011 🗢 060	Auto program 1	
11		061 ⇔ 110	Auto program 2	
• • •		111 ⇔ 160	Auto program 3	
		161 ⇔ 210	Auto program 4	
		211 ⇔ 255	Auto program 5	
12	Auto speed	000 ⇔ 255	Auto speed, slow to fast	
		000 ⇔ 007	No function	
		008 015	Dimmer reset	
		016 023	Red shift on	
		024 031	Red shift off	
		032 ⇔ 039	S-curve dimmer	
		040 047	Linear dimmer	
		048 ⇔ 055	Square dimmer curve	
	Control	056 ⇔ 063	Inverse square dimmer curve	
13	(hold for 3 seconds)	064 ⇔ 071	Dimmer speed mode OFF	
	,	072 079	Dimmer speed 1 (fastest)	
		080 ⇔ 087	Dimmer speed 2	
		088 ⇔ 095	Dimmer speed 3 (slowest)	
		096 ⇔ 103	Fan auto	
		104 ⇔ 111	Fan on	
		112 😂 119	Fan off	
		120 🖘 127	Fan silent	
		128 ⇔ 255	Reserved for future use	
		000 🖨 127	Index	
14	Gobo rotator	128 😂 190	Clockwise rotation, fast to slow	
	Gobo rotator	191 ⇔ 192	Stop	
		193 ⇔ 255	Counterclockwise rotation, slow to fast	



14Ch2

Channel	Function	Value	Percent/Setting	
1	Dimmer	000 ⇔ 255	0–100%	
2	Dimmer fine	000 ⇔ 255	0–100%	
3	Red	000 ⇔ 255	0–100%	
4	Red fine	000 ⇔ 255	0–100%	
5	Green	000 ⇔ 255	0–100%	
6	Green fine	000 ⇔ 255	0–100%	
7	Blue	000 ⇔ 255	0–100%	
8	Blue fine	000 ⇔ 255	0–100%	
9	Amber	000 ⇔ 255	0–100%	
10	Amber fine	000 ⇔ 255	0–100%	
11	Mint	000 ⇔ 255	0–100%	
12	Mint fine	000 ⇔ 255	0–100%	
13	Strobe	000 ⇔ 010	No function	
13	Strobe	011 ⇔ 255	Strobe, slow to fast	
		000 ⇔ 127	Index	
14	Gobo rotator	128 ⇔ 190	Clockwise rotation, fast to slow	
14	Godo iotatoi	191 ⇔ 192	Stop	
		193 ⇔ 255	Counterclockwise rotation, slow to fast	

12Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Mint	000 ⇔ 255	0–100%
8	Strobe	000 🗢 010	No function
o o		011 ⇔ 255	Strobe, slow to fast
9	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
10	Color temperature	000 ⇔ 255	Refer to Color Temperature DMX Chart
11	Hue	000 ⇔ 000	0
•••	Tiue	001 ⇔ 255	-25–25
		000 ⇔ 127	Index
12	Gobo rotator	128 ⇔ 190	Clockwise rotation, fast to slow
12	Gobo rotator	191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

8Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Blue	000 ⇔ 255	0–100%
5	Amber	000 ⇔ 255	0–100%
6	Mint	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010	No function
,	Strobe	011 ⇔ 255	Strobe, slow to fast
		000 ⇔ 127	Index
8	Gobo rotator	128 ⇔ 190	Clockwise rotation, fast to slow
0	GODO IOIAIOI	191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast



6Ch

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Green	000 ⇔ 255	0–100%
3	Blue	000 ⇔ 255	0–100%
4	Amber	000 ⇔ 255	0–100%
5	Mint	000 ⇔ 255	0–100%
		000 😂 127	Index
6	Gobo rotator	128 ⇔ 190	Clockwise rotation, fast to slow
0		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

5Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
3	Color temperature	000 ⇔ 255	Refer to Color Temperature DMX Chart
4	Hue	000 🖘 000	0
4	nue	001 ⇔ 255	-25–25
		000 ⇔ 127	Index
5	Gobo rotator	128 ⇔ 190	Clockwise rotation, fast to slow
3		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

1Ch

	Channel	Function		Percent/Setting
_	1	Dimmer	000 ⇔ 255	0–100%

HSV

Channel	Function	Value Percent/Setting	
1	1 Hue		0–100%
2	Saturation	000 ⇔ 255	0–100%
3	Value	000 ⇔ 255	0–100%
		000 😂 127	Index
4	Gobo rotator	128 🗢 190	Clockwise rotation, fast to slow
4		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast



5. Technical Information

Product Maintenance

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

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 the product:

- 1. Unplug the product from power.
- 2. Wait until the product is at room temperature.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents.
- Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
- 5. Apply the solution directly to a soft, lint-free cotton cloth or a lens-cleaning tissue.
- 6. Softly drag any dirt or grime to the outside of the transparent surface.
- 7. Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the transparent surfaces carefully after cleaning them.



6. Technical Specifications

Dimensions and Weight

	Length	Width	Height	Weight
Fixture only	20.44 in (519 mm)	13.07 in (332 mm)	20.53 in (522 mm)	18.6 lb (8.4 kg)
With lens extended	26.83 in (681 mm)	13.07 in (332 mm)	20.53 in (522 mm)	

Power

Power Supply Type		Range	•	Voltage Selection		
Switching (inte	rnal)	100 to 240 VAC	, 50/60 Hz	Auto-ranging		
Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz	
Consumption	380 W	373 W	368 W	366 W	367 W	
Operating Current	3.78 A	3.11 A	1.76 A	1.58 A	1.52 A	
Power-linking current (products)	13.6 A (3 products)	13.6 A (4 products)	13.6 A (7 products)	13.6 A (8 products)	13.6 A (8 products)	

Power I/O	U.S./Canada	Worldwide
Power input connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power output connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power cord plug	Edison (U.S.)	Local plug

Light Source

Туре	Color	Quantity	Power	Current	Lifespan	Color Temperature
LED	Red Green Blue Royal blue Amber Mint	12 19 3 9 24 24	3.5–10 W	2.4 A	50,000 hours	5470 K

Photometrics

Parameter	5°	10°	14°	19°	26°	36°	50°	15°-	-30°	25°-	-50°
Beam angle	4.6°	10°	14.8°	18.5°	26°	33.3°	49.5°	13°	28.5°	23.6°	40.5°
Field angle	5.6°	11.1°	16°	21.6°	29.6°	37.1°	55.7°	15.4°	32.2°	25.8°	44.1°
Illuminance @ 5 m (lux)	31,856	18,924	9,284	5,635	3,378	2,085	870	9,292	2,671	3,710	1,527
Lumens	5,076	11,250	12,179	12,156	13,300	13,223	12,216		057	14,3	

Thermal

Maximum External Temperature	Cooling System
113 °F (45 °C)	Fan-assisted convection

DMX

—	
I/O Connector	Channel Range
3- and 5-pin XLR	1, 5, 6, 8, 12, 14CH1, 14CH2, 18, or HSV

Ordering

Product Name	Item Name	Item Code	UPC Number
Ovation Rêve E-3	OVATIONREVEE3	03121729	78146220778







Returns

Send the product prepaid, in the original box, and with the original packing and accessories. Chauvet will not issue call tags.

Call Chauvet and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause(s) for the return.

To submit a service request online, go to www.chauvetprofessional.com/service-request.

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



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- · Your phone number
- RMA number
- A brief description of the problem

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



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



Contact Us

Technical Support
Voice: (844) 393-7575
Fax: (954) 756-8015
Email: chauvetlighting.com
Website: www.chauvetprofessional.com
Email: UKtech@chauvetlighting.eu
Website: www.chauvetprofessional.eu
Email: BNLtech@chauvetlighting.eu
Website: www.chauvetprofessional.eu
Email: FRtech@chauvetlighting.fr
Website: www.chauvetprofessional.eu
Email: <u>DEtech@chauvetlighting.de</u>
Website: www.chauvetprofessional.eu
Emails conside @abassact.com my
Email: servicio@chauvet.com.mx
Website: www.chauvetprofessional.mx

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, France, Germany, Benelux, or Mexico, contact the dealer of record.