OVATION
B-2805FC
User Manual

Model ID: OVATIONB2805FC

CHAUVET PROFESSIONAL

Edition Notes

The Ovation B-2805FC User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Ovation B-2805FC as of the release date of this edition.

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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.

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Document Revision

This Ovation B-2805FC User Manual is the 13th edition of this document. Go to www.chauvetprofessional.com for the latest version.

TABLE OF CONTENTS

1. Before You Begin

What Is Included

- Ovation B-2805FC
- Neutrik® powerCON® power cord
- Wall washing 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 your 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>	A button on the product's control panel
Settings	A product function or a menu option

Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	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.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

Any reference to power connections in this manual assumes the use of Neutrik® powerCON® cables.

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
2. 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.

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

- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- 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

- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 7.55 ft (2.3 m) is not expected.
- This product is not intended for permanent installation.
- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. (IP20)
- 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.
- 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.
- Never carry the product by the power cord.

Power and Wiring

- 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.
- Make sure the power cord is not crimped or damaged.
- 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.
- 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 this product to a dimmer pack or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- 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 °C). Do not operate the product at higher 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

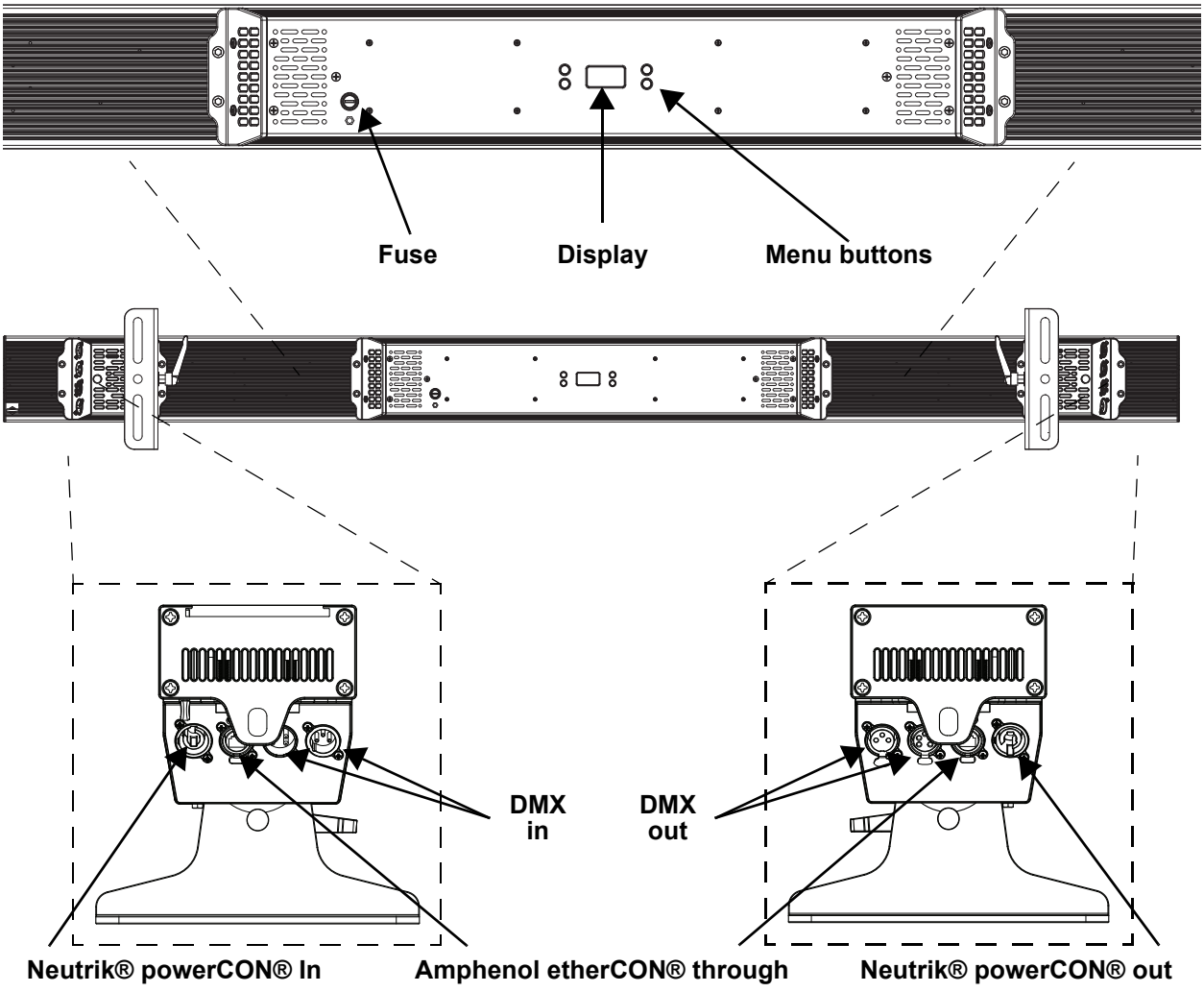
Description

The Ovation B-2805FC is the first batten-style fixture to take advantage of the extended color capabilities of the RGBA-Lime color mixing system. Control is easier than ever thanks to the incorporation of RDM, Art-Net™, and sACN in addition to standard DMX control. For maximum flexibility, up to 10 sections can be controlled individually whereas its easily accessible Virtual Color Wheel and Color Temperature presets make programming a breeze. An included holographic filter locks into place for enhanced wall/cyc grazing ability.

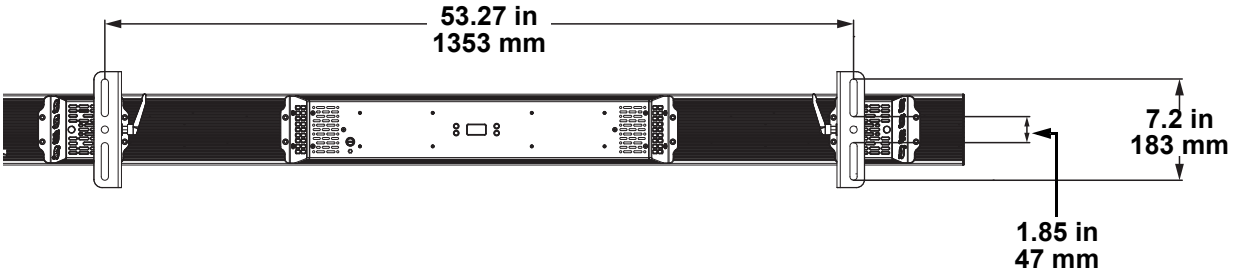
Features

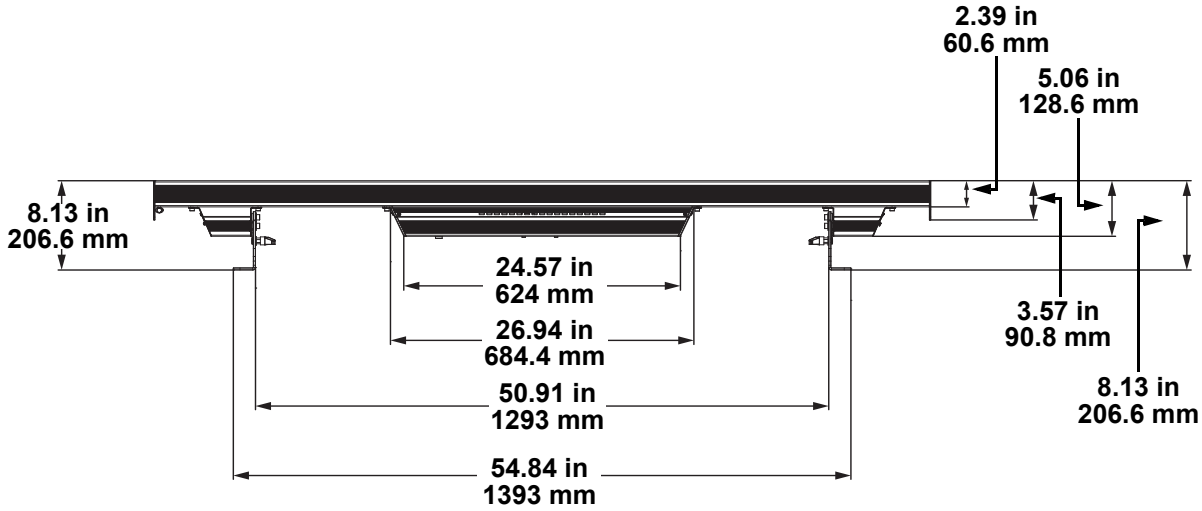
- Full-color LED (RGBAL) batten fixture for theatre, film, and production
- Theatre-ready lighting with 16-bit dimming of master dimmer and individual colors
- Multiple control personalities for complex programming schemes up to 10 sections of control
- Included holographic filter for use in cyc lighting or wall-grazing applications for ultra-smooth color mixing
- Virtual Color Wheel with color matched to popular gel colors
- Art-Net™, sACN, 3- and 5-pin DMX, and RDM (Remote Device Management) for added control flexibility
- Neutrik® powerCON®- and Amphenol etherCON®-compatible connections for power and data linking
- Adjustable PWM (Pulse Width Modulation) to avoid flickering on camera
- Nearly silent operation for use in studio and theatre applications

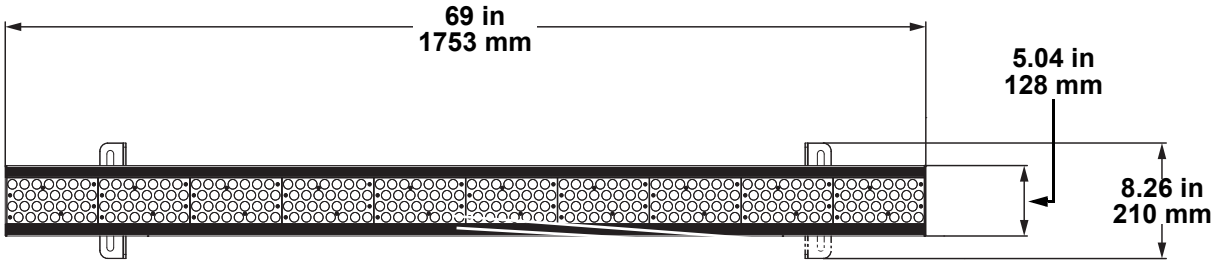
Product Overview



Product Dimensions







3. Setup

AC Power

Each Ovation B-2805FC has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each Ovation B-2805FC, refer to the label affixed to the product. You can also refer to the Technical Specifications 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 (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 B-2805FC comes with a power input cord terminated with a Seetronic Powerkon A 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 power link up to 2 Ovation B-2805FC products at 100 V or 120 V, 4 products at 208 V, or up to 5 products at 230 V or 240 V. Never exceed this number. This product comes with a power input cord. Power-linking cables can be purchased separately.

Signal Connections

The Ovation B-2805FC uses DMX, Art-Net™, or sACN for the 32 control personalities, ranging from 3-channel to 135-channel. The Ovation B-2805FC has 2 Amphenol etherCON® through ports and both 3- and 5-pin DMX in and out ports.

- Refer to the Operation chapter to learn how to configure the Ovation B-2805FC to work in these personalities.
- The DMX Values section provides detailed information regarding the control personalities.

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.

DMX Connection

You can link the Ovation B-2805FC to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX-compatible products with this product, you can control each individually with a single DMX controller.

Art-Net™ Connection

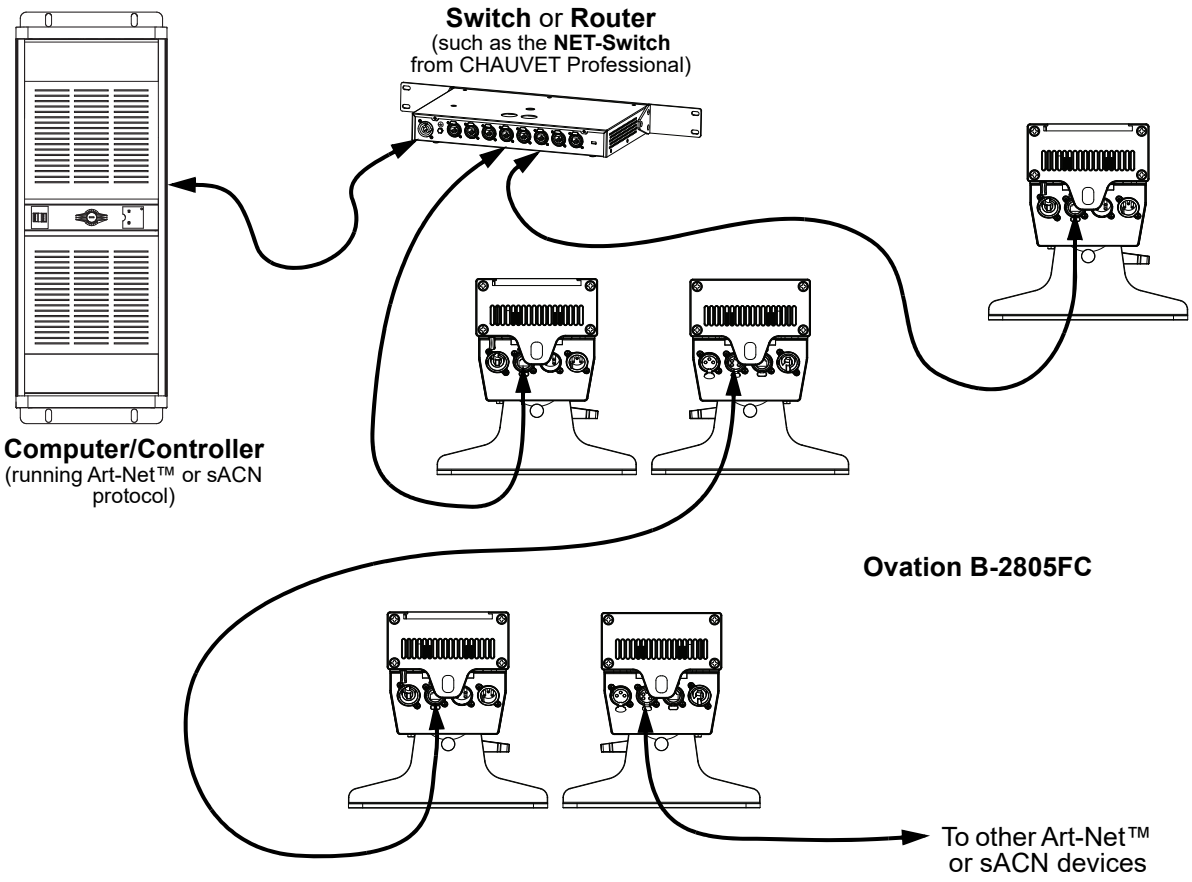
Art-Net™ is an Ethernet protocol that uses TCP/IP, which transfers a large amount of DMX512 data using a Neutrik® etherCON® RJ45 connection over a large network. An Art-Net™ protocol document is available from **www.chauvetprofessional.com**.

Art-Net™ designed by and copyright Artistic Licence Holdings Ltd.

sACN Connection

Also known as ANSI E1.31, streaming ACN is an Ethernet protocol that uses the layering and formatting of Architecture for Control Networks to transport DMX512 data over IP or any other ACN compatible network.

Connection Diagram



Remote Device Management (RDM)

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Ovation B-2805FC supports RDM protocol that allows feedback to make changes to menu map options.

Master/Slave Connectivity

The Master/Slave mode allows an Ovation B-2805FC (the master) to control one or more Ovation B-2805FC products (the slaves) without a DMX controller. One Ovation B-2805FC becomes the master when running an auto program, or by being in Static mode.

You must configure each slave's control panel 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.**
- **If you are not familiar with or need 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 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, making sure there is adequate room for ventilation, configuration, and maintenance.

Rigging

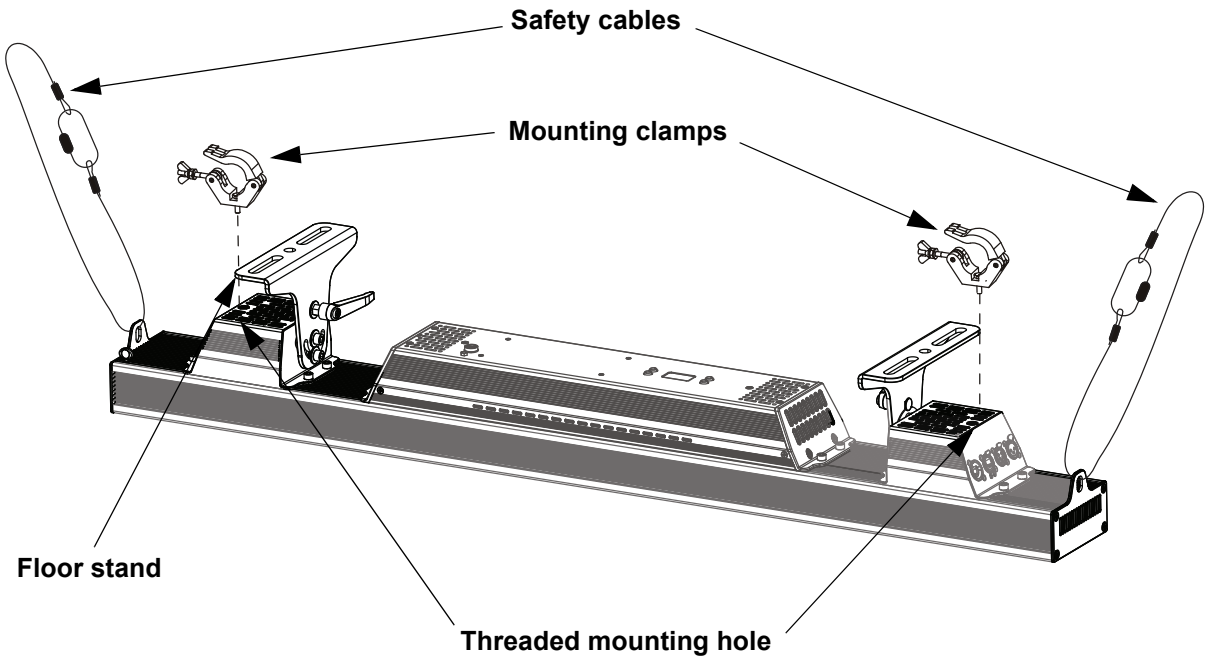
Chauvet recommends using the following general guidelines when mounting this product.

- 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 you are mounting the product can support the product's weight. See the Technical Specifications 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 B-2805FC has two threaded holes for mounting. Make sure the clamps are capable of supporting the weight of the product. Use at least two mounting points per product. For the CHAUVET Professional line of mounting clamps, go to http://www.trusst.com/products.

Mounting diagram



4. Operation

Control Panel Operation

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the selected value in to the current function
<UP>	Navigates upward through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list or decreases the numeric value when in a function

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.

Menu Map

Refer for the Ovation B-2805FC product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels		Description
Protocol	**DMX512**		Selects the control protocol
	ArtNet		
	sACN		
Start Address	**001–512***		Selects starting address (*highest channel restricted by selected personality)
Personality	**1 Cell**	**DMX-VCW-CCT 3CH**	3-channel: dimmer, virtual color wheel, color temperature
		HSV 3CH	3-channel: HSV
		RGB 3CH	3-channel: RGB
		RGBA 4CH	4-channel: RGBA
		RGBAL 5CH	5-channel: RGBAL
		RGB EXT 8CH	8-channel: 16-bit dimmer, RGB, virtual color wheel, color temperature, strobe
		RGBA EXT 9CH	9-channel: 16-bit dimmer, RGBA, virtual color wheel, color temperature, strobe
		RGBAL EXT 10CH	10-channel: 16-bit dimmer, RGBAL, virtual color wheel, color temperature, strobe
		RGBAL Fine 10CH	10-channel: 16-bit RGBAL
		RGBAL FULL 17CH	17-channel: 16-bit dimmer, 16-bit RGBAL, virtual color wheel, color temperature, strobe, color macros, control
	2 Cell	**RGB 6CH**	6-channel: RGB (per cell)
		HSV 6CH	6-channel: HSV (per cell)
		RGBA 8CH	8-channel: RGBA (per cell)
		RGBAL 10CH	10-channel: RGBAL (per cell)
		RGB EXT 15CH	15-channel: 16-bit dimmer, RGB (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBA EXT 17CH	17-channel: 16-bit dimmer, RGBA (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)

Main Level	Programming Levels			Description
Personality (cont.)	2 Cell (cont.)	RGBAL EXT 19CH		19-channel: 16-bit dimmer, RGBAL (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBAL Fine 20CH		20-channel: 16-bit RGBAL (per cell)
		RGBAL FULL 31CH		31-channel: 16-bit dimmer, 16-bit RGBAL (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell), color macros, control
	5 Cell	RGB 15CH		15-channel: RGB (per cell)
		HSV 15CH		15-channel: HSV (per cell)
		RGBA 20CH		20-channel: RGBA (per cell)
		RGBAL 25CH		25-channel: RGBAL (per cell)
		RGB EXT 33CH		33-channel: 16-bit dimmer, RGB (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBA EXT 38CH		38-channel: 16-bit dimmer, RGBA (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBAL EXT 43CH		43-channel: 16-bit dimmer, RGBAL (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBAL Fine 50CH		50-channel: 16-bit RGBAL (per cell)
		RGBAL FULL 70CH		70-channel: 16-bit dimmer, 16-bit RGBAL (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell), color macros, control
	10 Cell	RGB 30CH		30-channel: RGB (per cell)
		HSV 30CH		30-channel: HSV (per cell)
		RGBA 40CH		40-channel: RGBA (per cell)
		RGBAL 50CH		50-channel: RGBAL (per cell)
		RGB EXT 63CH		63-channel: 16-bit dimmer, RGB (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBA EXT 73CH		73-channel: 16-bit dimmer, RGBA (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBAL EXT 83CH		83-channel: 16-bit dimmer, RGBAL (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell)
		RGBAL Fine 100CH		100-channel: 16-bit RGBAL (per cell)
		RGBAL FULL 135CH		135-channel: 16-bit dimmer, 16-bit RGBAL (per cell), virtual color wheel (per cell), color temperature (per cell), strobe (per cell), color macros, control
Virtual Color Wheel	Virtual Color Wheel	C3050 - Md Yellow	Dimmer <000–255>	Virtual Color Wheel simulates the output of each gel color from Rosco. Refer to the Virtual color wheel chart section for specific values.
		C3040 - Lt Yellow		
		C3240 - Amb Yellow		
		C2340 - VLt Amber		
		C2040 - Lt Amber		
		C2050 - Md Amber		
		C2060 - Dk Amber		
		C1050 - Lt Red		
		C1080 - Md Red		

Main Level	Programming Levels			Description
Virtual Color Wheel (cont.)	Virtual Color Wheel (cont.)	C1020 - NC Pink	Dimmer <000–255>	Virtual Color Wheel simulates the output of each gel color from Rosco. Refer to the Virtual color wheel chart section for specific values.
		C1030 - Md Pink		
		C1630 - Dk Pink		
		C1250 - Md Red Amber		
		C1060 - Dk Red Amber		
		C1650 - Magenta		
		C6170 - Dk Magenta		
		C6020 - Lt Lavender		
		C5030 - Lt Blue		
		C5020 - VLt Blue		
		C5430 - Lt Blue 2		
		C5070 - Blue		
		C5050 - Md Blue		
		C5060 - Dk Blue		
		C5690 - Indigo		
		C5080 - VDk Blue		
		C5081 - VDk Blue 2		
		C4370 - Yel Green		
		C4070 - Green		
		C4550 - Turquoise		
		C4560 - Aqua		
		C4570 - Blue Green		
	Color Temperature	2800K	Dimmer <000–255>	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the Preset color temperature chart section for specific values.
		3000K		
		3200K		
		3500K		
		4000K		
		4500K		
		5000K		
		5600K		
		6000K		
		6500K		
	Manual Color Mixer	Red	<000–255>	Combine red, green, blue, amber, and lime to make a custom color (0–100%)
		Green		
		Blue		
		Amber		
		Lime		
	Color X-Fade Speed	Off		Turns off the fade transition between colors
		X-Fade Speed 1		Creates fade transition between colors when using colors in the Virtual Color Wheel or Color Temperature chart, from fast (**X-Fade Speed 1**) to slow (**X-Fade Speed 4**)
		X-Fade Speed 2		
		X-Fade Speed 3		
		X-Fade Speed 4		
Auto Show	Auto 1	Speed 1–100		Selects automatic programs and auto program speed
	Auto 2			
	Auto 3			
	Auto 4			
	Auto 5			

Main Level	Programming Levels			Description
Auto Show (cont.)	**Auto 6**	**Speed 1–100**		Selects automatic programs and auto program speed
	Auto 7			
	Auto 8			
	Auto 9			
	Fade			
Red Shift	**On**			Red shift on
	Off			Red shift off
Master/ Slave	**Master**			Master mode
	Slave			Slave mode
Dimmer Curve	**S-Curve**			S-curve
	Linear			Linear curve
	Square			Square law curve
	Inverse Square			Inverse square law curve
Dimmer Mode	**Off**			Linear dimmer
	Dimmer 1			Fast dimmer curve
	Dimmer 2			Medium dimmer curve
	Dimmer 3			Slow dimmer curve
White Balance	**Off**			Uses factory default white setting
	Manual	**Red**	**125–255**	Sets red LED maximum value
		Green		Sets green LED maximum value
		Blue		Sets blue LED maximum value
		Amber		Sets amber LED maximum value
		Lime		Sets lime LED maximum value
LED Frequency	**600Hz**			Selects the PWM output frequency
	1200Hz			
	2000Hz			
	4000Hz			
	6000Hz			
	25KHz			
Fan Mode	**Auto**			Sets the fan to auto mode
	On			Sets the fan to always on
	Off			Sets the fan to always off
	Silent			Sets the fan to silent
Display	**Normal**			Normal display orientation
	Inverse			Inverted display
Back Light	**10S**			Turns off display after 10 seconds of inactivity
	30S			Turns off display after 30 seconds of inactivity
	2Min			Turns off display after 2 minutes of inactivity
	On			Display backlight always on
Ethernet Setting	**Universe**	**1** (DMX)		Sets universe for Art-Net™ or sACN
		0–255 (Art-Net™)		
		1-256 (sACN)		
	IP Address	_ _ _._ _ _._ _ _._ _ _		Sets IP address

Main Level	Programming Levels		Description
Information	Fixture Hours	_ _ _ _H	Shows total hours product has been powered
	LED Hours	_ _ _ _H	Shows total hours LEDs have been powered
	Version	V_._-V_._	Shows installed software version
	Device ID	_ _ _ _ _ _ _ _	Shows product device ID
	UID	_ _ _ _ _ _ _ _ _ _ _ _	Shows product UID
Factory Setting	No		Reset to factory defaults
	Yes		

Configuration (DMX/Art-Net™/sACN)

Use control configurations to operate the product with a controller.

Control Protocol

This setting allows you to choose the protocol with which to control the Ovation B-2805FC.

1. Go to the **Protocol** main level.
2. Select the desired control protocol (**DMX512**, **ArtNet**, or **sACN**).

Starting Address

Each product will respond to a unique starting address from the controller. All products with the same starting address will respond in unison.

1. Go to the **Start Address** main level.
2. Select the starting address (**001**–**512**).

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

Personality	Address	Personality	Address
1 Cell DMX-VCW-CCT 3CH	**510**	5 Cell RGB 15CH	**498**
1 Cell HSV 3CH	**510**	5 Cell HSV 15CH	**498**
1 Cell RGB 3CH	**510**	5 Cell RGBA 20CH	**493**
1 Cell RGBA 4CH	**509**	5 Cell RGBAL 25CH	**488**
1 Cell RGBAL 5CH	**508**	5 Cell RGB EXT 33CH	**480**
1 Cell RGB EXT 8CH	**505**	5 Cell RGBA EXT 38CH	**475**
1 Cell RGBA EXT 9CH	**504**	5 Cell RGBAL EXT 43CH	**470**
1 Cell RGBAL EXT 10CH	**503**	5 Cell RGBAL Fine 50CH	**463**
1 Cell RGBAL Fine 10CH	**503**	5 Cell RGBAL FULL 70CH	**443**
1 Cell RGBAL FULL 17CH	**496**	10 Cell RGB 30CH	**483**
2 Cell RGB 6CH	**507**	10 Cell HSV 30CH	**483**
2 Cell HSV 6CH	**507**	10 Cell RGBA 40CH	**473**
2 Cell RGBA 8CH	**505**	10 Cell RGBAL 50CH	**463**
2 Cell RGBAL 10CH	**503**	10 Cell RGB EXT 63CH	**450**
2 Cell RGB EXT 15CH	**498**	10 Cell RGBA EXT 73CH	**440**
2 Cell RGBA EXT 17CH	**496**	10 Cell RGBAL EXT 83CH	**430**
2 Cell RGBAL EXT 19CH	**494**	10 Cell RGBAL Fine 100CH	**413**
2 Cell RGBAL Fine 20CH	**493**		
2 Cell RGBAL FULL 31CH	**482**		

Ethernet Setting

Ethernet protocols (Art-Net™ and sACN) require the Starting Address, Universe, and IP address to be set.

Universe

1. Go to the **Ethernet Setting** main level.
2. Select **Universe**.
3. Set the Universe value (**0–255** for Art-Net™, or **1–256** for sACN).

IP Address

1. Go to the **Ethernet Setting** main level.
1. Select **IP Address**.
2. Set the IP address (**000.000.000.000** to **255.255.255.255**)

Control Personalities

This setting allows you to choose a particular control personality.

1. Go to the **Personality** main level.
2. Select the desired number of cells to be controllable (**1 Cell**, **2 Cell**, **5 Cell**, or **10 Cell**).

Select the desired personality (see table below).

Mode	1-Cell	2-Cell	5-Cell	10-Cell
DMX-VCW-CCT	3CH	N/A	N/A	N/A
HSV	3CH	6CH	15CH	30CH
RGB	3CH	6CH	15CH	30CH
RGBA	4CH	8CH	20CH	40CH
RGBAL	5CH	10CH	25CH	50CH
RGB EXT	8CH	15CH	33CH	63CH
RGBA EXT	9CH	17CH	38CH	73CH
RGBAL EXT	10CH	19CH	43CH	83CH
RGBAL Fine	10CH	20CH	50CH	100CH
RGBAL FULL	17CH	31CH	70CH	135CH

- See the Starting Address 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 Values

10-Cell DMX Values

10-Cell RGBAL FULL / RGBAL Fine / RGBAL EXT / RGBA EXT / RGB EXT

RGB EXT 63CH	RGBA EXT 73CH	RGBAL EXT 83CH	RGBAL Fine 100CH	RGBAL FULL 135CH	Function	Value	Percent/Setting
1	1	1	–	1	Dimmer	000 ⇔ 255	0–100%
2	2	2	–	2	Dimmer fine	000 ⇔ 255	0–100%
3	3	3	1	3	Red 1	000 ⇔ 255	0–100%
–	–	–	2	4	Red fine 1	000 ⇔ 255	0–100%
4	4	4	3	5	Green 1	000 ⇔ 255	0–100%
–	–	–	4	6	Green fine 1	000 ⇔ 255	0–100%
5	5	5	5	7	Blue 1	000 ⇔ 255	0–100%
–	–	–	6	8	Blue fine 1	000 ⇔ 255	0–100%
–	6	6	7	9	Amber 1	000 ⇔ 255	0–100%
–	–	–	8	10	Amber fine 1	000 ⇔ 255	0–100%
–	–	7	9	11	Lime 1	000 ⇔ 255	0–100%
–	–	–	10	12	Lime fine 1	000 ⇔ 255	0–100%
6	7	8	–	13	Virtual Color Wheel 1	000 ⇔ 255	See the Virtual color wheel chart
7	8	9	–	14	Color Temperature 1	000 ⇔ 255	See the Preset color temperature chart
8	9	10	–	15	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	10	11	11	16	Red 2	000 ⇔ 255	0–100%
–	–	–	12	17	Red fine 2	000 ⇔ 255	0–100%
10	11	12	13	18	Green 2	000 ⇔ 255	0–100%
–	–	–	14	19	Green fine 2	000 ⇔ 255	0–100%
11	12	13	15	20	Blue 2	000 ⇔ 255	0–100%
–		–	16	21	Blue fine 2	000 ⇔ 255	0–100%
–	13	14	17	22	Amber 2	000 ⇔ 255	0–100%
–	–	–	18	23	Amber fine 2	000 ⇔ 255	0–100%
–	–	15	19	24	Lime 2	000 ⇔ 255	0–100%
–	–	–	20	25	Lime fine 2	000 ⇔ 255	0–100%
12	14	16	–	26	Virtual Color Wheel 2	000 ⇔ 255	See the Virtual color wheel chart
13	15	17	–	27	Color Temperature 2	000 ⇔ 255	See the Preset color temperature chart
14	16	18	–	28	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
15	17	19	21	29	Red 3	000 ⇔ 255	0–100%
–	–	–	22	30	Red fine 3	000 ⇔ 255	0–100%
16	18	20	23	31	Green 3	000 ⇔ 255	0–100%
–	–	–	24	32	Green fine 3	000 ⇔ 255	0–100%
17	19	21	25	33	Blue 3	000 ⇔ 255	0–100%
–	–	–	26	34	Blue fine 3	000 ⇔ 255	0–100%
–	20	22	27	35	Amber 3	000 ⇔ 255	0–100%
–	–	–	28	36	Amber fine 3	000 ⇔ 255	0–100%
–	–	23	29	37	Lime 3	000 ⇔ 255	0–100%
–	–	–	30	38	Lime fine 3	000 ⇔ 255	0–100%
18	21	24	–	39	Virtual Color Wheel 3	000 ⇔ 255	See the Virtual color wheel chart
19	22	25	–	40	Color Temperature 3	000 ⇔ 255	See the Preset color temperature chart

RGB EXT 63CH	RGBA EXT 73CH	RGBAL EXT 83CH	RGBAL Fine 100CH	RGBAL FULL 135CH	Function	Value	Percent/Setting
20	23	26	–	41	Strobe 3	000 ⇔ 010	No function
						011 ⇔ 255	Strobe, slow to fast
21	24	27	31	42	Red 4	000 ⇔ 255	0–100%
–	–	–	32	43	Red fine 4	000 ⇔ 255	0–100%
22	25	28	33	44	Green 4	000 ⇔ 255	0–100%
	–	–	34	45	Green fine 4	000 ⇔ 255	0–100%
23	26	29	35	46	Blue 4	000 ⇔ 255	0–100%
–	–	–	36	47	Blue fine 4	000 ⇔ 255	0–100%
–	27	30	37	48	Amber 4	000 ⇔ 255	0–100%
–	–	–	38	49	Amber fine 4	000 ⇔ 255	0–100%
–	–	31	39	50	Lime 4	000 ⇔ 255	0–100%
–	–	–	40	51	Lime fine 4	000 ⇔ 255	0–100%
24	28	32	–	52	Virtual Color Wheel 4	000 ⇔ 255	See the Virtual color wheel chart
25	29	33	–	53	Color Temperature 4	000 ⇔ 255	See the Preset color temperature chart
26	30	34	–	54	Strobe 4	000 ⇔ 010	No function
						011 ⇔ 255	Strobe, slow to fast
27	31	35	41	55	Red 5	000 ⇔ 255	0–100%
–	–	–	42	56	Red fine 5	000 ⇔ 255	0–100%
28	32	36	43	57	Green 5	000 ⇔ 255	0–100%
–	–	–	44	58	Green fine 5	000 ⇔ 255	0–100%
29	33	37	45	59	Blue 5	000 ⇔ 255	0–100%
–	–	–	46	60	Blue fine 5	000 ⇔ 255	0–100%
–	34	38	47	61	Amber 5	000 ⇔ 255	0–100%
–	–	–	48	62	Amber fine 5	000 ⇔ 255	0–100%
–	–	39	49	63	Lime 5	000 ⇔ 255	0–100%
–	–	–	50	64	Lime fine 5	000 ⇔ 255	0–100%
30	35	40	–	65	Virtual Color Wheel 5	000 ⇔ 255	See the Virtual color wheel chart
31	36	41	–	66	Color Temperature 5	000 ⇔ 255	See the Preset color temperature chart
32	37	42	–	67	Strobe 5	000 ⇔ 010	No function
						011 ⇔ 255	Strobe, slow to fast
33	38	43	51	68	Red 6	000 ⇔ 255	0–100%
–	–	–	52	69	Red fine 6	000 ⇔ 255	0–100%
34	39	44	53	70	Green 6	000 ⇔ 255	0–100%
–	–	–	54	71	Green fine 6	000 ⇔ 255	0–100%
35	40	45	55	72	Blue 6	000 ⇔ 255	0–100%
–	–	–	56	73	Blue fine 6	000 ⇔ 255	0–100%
–	41	46	57	74	Amber 6	000 ⇔ 255	0–100%
–	–	–	58	75	Amber fine 6	000 ⇔ 255	0–100%
–	–	47	59	76	Lime 6	000 ⇔ 255	0–100%
–	–	–	60	77	Lime fine 6	000 ⇔ 255	0–100%
36	42	48	–	78	Virtual Color Wheel 6	000 ⇔ 255	See the Virtual color wheel chart
37	43	49	–	79	Color Temperature 6	000 ⇔ 255	See the Preset color temperature chart
38	44	50	–	80	Strobe 6	000 ⇔ 010	No function
						011 ⇔ 255	Strobe, slow to fast
39	45	51	61	81	Red 7	000 ⇔ 255	0–100%

RGB EXT 63CH	RGBA EXT 73CH	RGBAL EXT 83CH	RGBAL Fine 100CH	RGBAL FULL 135CH	Function	Value	Percent/Setting
–	–	–	62	82	Red fine 7	000 ⇔ 255	0–100%
40	46	52	63	83	Green 7	000 ⇔ 255	0–100%
–	–	–	64	84	Green fine 7	000 ⇔ 255	0–100%
41	47	53	65	85	Blue 7	000 ⇔ 255	0–100%
–	–	–	66	86	Blue fine 7	000 ⇔ 255	0–100%
–	48	54	67	87	Amber 7	000 ⇔ 255	0–100%
–	–	–	68	88	Amber fine 7	000 ⇔ 255	0–100%
–	–	55	69	89	Lime 7	000 ⇔ 255	0–100%
–	–	–	70	90	Lime fine 7	000 ⇔ 255	0–100%
42	49	56	–	91	Virtual Color Wheel 7	000 ⇔ 255	See the Virtual color wheel chart
43	50	57	–	92	Color Temperature 7	000 ⇔ 255	See the Preset color temperature chart
44	51	58	–	93	Strobe 7	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
45	52	59	71	94	Red 8	000 ⇔ 255	0–100%
–	–	–	72	95	Red fine 8	000 ⇔ 255	0–100%
46	53	60	73	96	Green 8	000 ⇔ 255	0–100%
–	–	–	74	97	Green fine 8	000 ⇔ 255	0–100%
47	54	61	75	98	Blue 8	000 ⇔ 255	0–100%
–	–	–	76	99	Blue fine 8	000 ⇔ 255	0–100%
–	55	62	77	100	Amber 8	000 ⇔ 255	0–100%
–	–	–	78	101	Amber fine 8	000 ⇔ 255	0–100%
–	–	63	79	102	Lime 8	000 ⇔ 255	0–100%
–	–	–	80	103	Lime fine 8	000 ⇔ 255	0–100%
48	56	64	–	104	Virtual Color Wheel 8	000 ⇔ 255	See the Virtual color wheel chart
49	57	65	–	105	Color Temperature 8	000 ⇔ 255	See the Preset color temperature chart
50	58	66	–	106	Strobe 8	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
51	59	67	81	107	Red 9	000 ⇔ 255	0–100%
–	–	–	82	108	Red fine 9	000 ⇔ 255	0–100%
52	60	68	83	109	Green 9	000 ⇔ 255	0–100%
–	–	–	84	110	Green fine 9	000 ⇔ 255	0–100%
53	61	69	85	111	Blue 9	000 ⇔ 255	0–100%
–	–	–	86	112	Blue fine 9	000 ⇔ 255	0–100%
–	62	70	87	113	Amber 9	000 ⇔ 255	0–100%
–	–	–	88	114	Amber fine 9	000 ⇔ 255	0–100%
–	–	71	89	115	Lime 9	000 ⇔ 255	0–100%
–	–	–	90	116	Lime fine 9	000 ⇔ 255	0–100%
54	63	72	–	117	Virtual Color Wheel 9	000 ⇔ 255	See the Virtual color wheel chart
55	64	73	–	118	Color Temperature 9	000 ⇔ 255	See the Preset color temperature chart
56	65	74	–	119	Strobe 9	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
57	66	75	91	120	Red 10	000 ⇔ 255	0–100%
–	–	–	92	121	Red fine 10	000 ⇔ 255	0–100%
58	67	76	93	122	Green 10	000 ⇔ 255	0–100%
–	–	–	94	123	Green fine 10	000 ⇔ 255	0–100%

RGB EXT 63CH	RGBA EXT 73CH	RGBAL EXT 83CH	RGBAL Fine 100CH	RGBAL FULL 135CH	Function	Value	Percent/Setting
59	68	77	95	124	**Blue 10**	000 ⇔ 255	0–100%
–	–	–	96	125	**Blue fine 10**	000 ⇔ 255	0–100%
–	69	78	97	126	**Amber 10**	000 ⇔ 255	0–100%
–	–	–	98	127	**Amber fine 10**	000 ⇔ 255	0–100%
–	–	79	99	128	**Lime 10**	000 ⇔ 255	0–100%
–	–	–	100	129	**Lime fine 10**	000 ⇔ 255	0–100%
60	70	80	–	130	**Virtual Color Wheel 10**	000 ⇔ 255	See the Virtual color wheel chart
61	71	81	–	131	**Color Temperature 10**	000 ⇔ 255	See the Preset color temperature chart
62	72	82	–	132	**Strobe 10**	000 ⇔ 010	No function
						011 ⇔ 255	Strobe, slow to fast
63	73	83	–	133	**Strobe all**	000 ⇔ 010	No function
						011 ⇔ 255	Strobe, slow to fast
–	–	–	–	134	**Color macros**	000 ⇔ 015	No function
						016 ⇔ 255	Color macros
–	–	–	–	135	**Control** (hold for 3 seconds)	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
						056 ⇔ 063	Inverse square dimmer curve
						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 ⇔ 135	X-Fade Speed: OFF
						136 ⇔ 143	X-Fade Speed: 1 (fastest)
						144 ⇔ 151	X-Fade Speed: 2
						152 ⇔ 159	X-Fade Speed: 3
						160 ⇔ 167	X-Fade Speed: 4 (slowest)
						168 ⇔ 255	Reserved for future use

10-Cell RGBAL / RGBA / RGB / HSV

HSV 30CH	RGB 30CH	RGBA 40CH	RGBAL 50CH	Function	Value	Percent/Setting
–	1	1	1	**Red 1**	000 ⇔ 255	0–100%
–	2	2	2	**Green 1**	000 ⇔ 255	0–100%
–	3	3	3	**Blue 1**	000 ⇔ 255	0–100%
–	–	4	4	**Amber 1**	000 ⇔ 255	0–100%
–	–	–	5	**Lime 1**	000 ⇔ 255	0–100%
1	–	–	–	**Hue 1**	000 ⇔ 255	0–100%
2	–	–	–	**Saturation 1**	000 ⇔ 255	0–100%

HSV 30CH	RGB 30CH	RGBA 40CH	RGBAL 50CH	Function	Value	Percent/Setting
3	–	–	–	Value 1	000 ⇔ 255	0–100%
–	4	5	6	Red 2	000 ⇔ 255	0–100%
–	5	6	7	Green 2	000 ⇔ 255	0–100%
–	6	7	8	Blue 2	000 ⇔ 255	0–100%
–	–	8	9	Amber 2	000 ⇔ 255	0–100%
–	–	–	10	Lime 2	000 ⇔ 255	0–100%
4	–	–	–	Hue 2	000 ⇔ 255	0–100%
5	–	–	–	Saturation 2	000 ⇔ 255	0–100%
6	–	–	–	Value 2	000 ⇔ 255	0–100%
–	7	9	11	Red 3	000 ⇔ 255	0–100%
–	8	10	12	Green 3	000 ⇔ 255	0–100%
–	9	11	13	Blue 3	000 ⇔ 255	0–100%
–	–	12	14	Amber 3	000 ⇔ 255	0–100%
–	–	–	15	Lime 3	000 ⇔ 255	0–100%
7	–	–	–	Hue 3	000 ⇔ 255	0–100%
8	–	–	–	Saturation 3	000 ⇔ 255	0–100%
9	–	–	–	Value 3	000 ⇔ 255	0–100%
–	10	13	16	Red 4	000 ⇔ 255	0–100%
–	11	14	17	Green 4	000 ⇔ 255	0–100%
–	12	15	18	Blue 4	000 ⇔ 255	0–100%
–	–	16	19	Amber 4	000 ⇔ 255	0–100%
–	–	–	20	Lime 4	000 ⇔ 255	0–100%
10	–	–	–	Hue 4	000 ⇔ 255	0–100%
11	–	–	–	Saturation 4	000 ⇔ 255	0–100%
12	–	–	–	Value 4	000 ⇔ 255	0–100%
–	13	17	21	Red 5	000 ⇔ 255	0–100%
–	14	18	22	Green 5	000 ⇔ 255	0–100%
–	15	19	23	Blue 5	000 ⇔ 255	0–100%
–	–	20	24	Amber 5	000 ⇔ 255	0–100%
–	–	–	25	Lime 5	000 ⇔ 255	0–100%
13	–	–	–	Hue 5	000 ⇔ 255	0–100%
14	–	–	–	Saturation 5	000 ⇔ 255	0–100%
15	–	–	–	Value 5	000 ⇔ 255	0–100%
–	16	21	26	Red 6	000 ⇔ 255	0–100%
–	17	22	27	Green 6	000 ⇔ 255	0–100%
–	18	23	28	Blue 6	000 ⇔ 255	0–100%
–	–	24	29	Amber 6	000 ⇔ 255	0–100%
–	–	–	30	Lime 6	000 ⇔ 255	0–100%
16	–	–	–	Hue 6	000 ⇔ 255	0–100%
17	–	–	–	Saturation 6	000 ⇔ 255	0–100%
18	–	–	–	Value 6	000 ⇔ 255	0–100%
–	19	25	31	Red 7	000 ⇔ 255	0–100%
–	20	26	32	Green 7	000 ⇔ 255	0–100%
–	21	27	33	Blue 7	000 ⇔ 255	0–100%
–	–	28	34	Amber 7	000 ⇔ 255	0–100%
–	–	–	35	Lime 7	000 ⇔ 255	0–100%
19	–	–	–	Hue 7	000 ⇔ 255	0–100%
20	–	–	–	Saturation 7	000 ⇔ 255	0–100%
21	–	–	–	Value 7	000 ⇔ 255	0–100%
–	22	29	36	Red 8	000 ⇔ 255	0–100%
–	23	30	37	Green 8	000 ⇔ 255	0–100%
–	24	31	38	Blue 8	000 ⇔ 255	0–100%
–	–	32	39	Amber 8	000 ⇔ 255	0–100%
–	–	–	40	Lime 8	000 ⇔ 255	0–100%
22	–	–	–	Hue 8	000 ⇔ 255	0–100%

HSV 30CH	RGB 30CH	RGBA 40CH	RGBAL 50CH	Function	Value	Percent/Setting
23	–	–	–	Saturation 8	000 ⇔ 255	0–100%
24	–	–	–	Value 8	000 ⇔ 255	0–100%
–	25	33	41	Red 9	000 ⇔ 255	0–100%
–	26	34	42	Green 9	000 ⇔ 255	0–100%
–	27	35	43	Blue 9	000 ⇔ 255	0–100%
–	–	36	44	Amber 9	000 ⇔ 255	0–100%
–	–	–	45	Lime 9	000 ⇔ 255	0–100%
25	–	–	–	Hue 9	000 ⇔ 255	0–100%
26	–	–	–	Saturation 9	000 ⇔ 255	0–100%
27	–	–	–	Value 9	000 ⇔ 255	0–100%
–	28	37	46	Red 10	000 ⇔ 255	0–100%
–	29	38	47	Green 10	000 ⇔ 255	0–100%
–	30	39	48	Blue 10	000 ⇔ 255	0–100%
–	–	40	49	Amber 10	000 ⇔ 255	0–100%
–	–	–	50	Lime 10	000 ⇔ 255	0–100%
28	–	–	–	Hue 10	000 ⇔ 255	0–100%
29	–	–	–	Saturation 10	000 ⇔ 255	0–100%
30	–	–	–	Value 10	000 ⇔ 255	0–100%

5-Cell DMX Values

5-Cell RGBAL FULL / RGBAL Fine / RGBAL EXT / RGBA EXT / RGB EXT

RGB EXT 33CH	RGBA EXT 38CH	RGBAL EXT 43CH	RGBAL Fine 50CH	RGBAL FULL 70CH	Function	Value	Percent/Setting
1	1	1	–	1	Dimmer	000 ⇔ 255	0–100%
2	2	2	–	2	Dimmer fine	000 ⇔ 255	0–100%
3	3	3	1	3	Red 1	000 ⇔ 255	0–100%
–	–	–	2	4	Red fine 1	000 ⇔ 255	0–100%
4	4	4	3	5	Green 1	000 ⇔ 255	0–100%
–	–	–	4	6	Green fine 1	000 ⇔ 255	0–100%
5	5	5	5	7	Blue 1	000 ⇔ 255	0–100%
–	–	–	6	8	Blue fine 1	000 ⇔ 255	0–100%
–	6	6	7	9	Amber 1	000 ⇔ 255	0–100%
–	–	–	8	10	Amber fine 1	000 ⇔ 255	0–100%
–	–	7	9	11	Lime 1	000 ⇔ 255	0–100%
–	–	–	10	12	Lime fine 1	000 ⇔ 255	0–100%
6	7	8	–	13	Virtual Color Wheel 1	000 ⇔ 255	See the Virtual color wheel chart
7	8	9	–	14	Color Temperature 1	000 ⇔ 255	See the Preset color temperature chart
8	9	10	–	15	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	10	11	11	16	Red 2	000 ⇔ 255	0–100%
–	–	–	12	17	Red fine 2	000 ⇔ 255	0–100%
10	11	12	13	18	Green 2	000 ⇔ 255	0–100%
–	–	–	14	19	Green fine 2	000 ⇔ 255	0–100%
11	12	13	15	20	Blue 2	000 ⇔ 255	0–100%
–	–	–	16	21	Blue fine 2	000 ⇔ 255	0–100%
–	13	14	17	22	Amber 2	000 ⇔ 255	0–100%
–	–	–	18	23	Amber fine 2	000 ⇔ 255	0–100%
–	–	15	19	24	Lime 2	000 ⇔ 255	0–100%
–	–	–	20	25	Lime fine 2	000 ⇔ 255	0–100%
12	14	16	–	26	Virtual Color Wheel 2	000 ⇔ 255	See the Virtual color wheel chart
13	15	17	–	27	Color Temperature 2	000 ⇔ 255	See the Preset color temperature chart
14	16	18	–	28	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

RGB EXT 33CH	RGBA EXT 38CH	RGBAL EXT 43CH	RGBAL Fine 50CH	RGBAL FULL 70CH	Function	Value	Percent/Setting
15	17	19	21	29	Red 3	000 ⇔ 255	0–100%
–	–	–	22	30	Red fine 3	000 ⇔ 255	0–100%
16	18	20	23	31	Green 3	000 ⇔ 255	0–100%
–	–	–	24	32	Green fine 3	000 ⇔ 255	0–100%
17	19	21	25	33	Blue 3	000 ⇔ 255	0–100%
–	–	–	26	34	Blue fine 3	000 ⇔ 255	0–100%
–	20	22	27	35	Amber 3	000 ⇔ 255	0–100%
–	–	–	28	36	Amber fine 3	000 ⇔ 255	0–100%
–	–	23	29	37	Lime 3	000 ⇔ 255	0–100%
–	–	–	30	38	Lime fine 3	000 ⇔ 255	0–100%
18	21	24	–	39	Virtual Color Wheel 3	000 ⇔ 255	See the Virtual color wheel chart
19	22	25	–	40	Color Temperature 3	000 ⇔ 255	See the Preset color temperature chart
20	23	26	–	41	Strobe 3	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
21	24	27	31	42	Red 4	000 ⇔ 255	0–100%
–	–	–	32	43	Red fine 4	000 ⇔ 255	0–100%
22	25	28	33	44	Green 4	000 ⇔ 255	0–100%
–	–	–	34	45	Green fine 4	000 ⇔ 255	0–100%
23	26	29	35	46	Blue 4	000 ⇔ 255	0–100%
–	–	–	36	47	Blue fine 4	000 ⇔ 255	0–100%
–	27	30	37	48	Amber 4	000 ⇔ 255	0–100%
–	–	–	38	49	Amber fine 4	000 ⇔ 255	0–100%
–	–	31	39	50	Lime 4	000 ⇔ 255	0–100%
–	–	–	40	51	Lime fine 4	000 ⇔ 255	0–100%
24	28	32	–	52	Virtual Color Wheel 4	000 ⇔ 255	See the Virtual color wheel chart
25	29	33	–	53	Color Temperature 4	000 ⇔ 255	See the Preset color temperature chart
26	30	34	–	54	Strobe 4	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
27	31	35	41	55	Red 5	000 ⇔ 255	0–100%
–	–	–	42	56	Red fine 5	000 ⇔ 255	0–100%
28	32	36	43	57	Green 5	000 ⇔ 255	0–100%
–	–	–	44	58	Green fine 5	000 ⇔ 255	0–100%
29	33	37	45	59	Blue 5	000 ⇔ 255	0–100%
–	–	–	46	60	Blue fine 5	000 ⇔ 255	0–100%
–	34	38	47	61	Amber 5	000 ⇔ 255	0–100%
–	–	–	48	62	Amber fine 5	000 ⇔ 255	0–100%
–	–	39	49	63	Lime 5	000 ⇔ 255	0–100%
–	–	–	50	64	Lime fine 5	000 ⇔ 255	0–100%
30	35	40	–	65	Virtual Color Wheel 5	000 ⇔ 255	See the Virtual color wheel chart
31	36	41	–	66	Color Temperature 5	000 ⇔ 255	See the Preset color temperature chart
32	37	42	–	67	Strobe 5	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
33	38	43	–	68	Strobe all	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
–	–	–	–	69	Color macros	000 ⇔ 015 016 ⇔ 255	No function Color macros

RGB EXT 33CH	RGBA EXT 38CH	RGBAL EXT 43CH	RGBAL Fine 50CH	RGBAL FULL 70CH	Function	Value	Percent/Setting
–	–	–	–	70	**Control** (hold for 3 seconds)	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
						056 ⇔ 063	Inverse square dimmer curve
						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 ⇔ 135	X-Fade Speed: OFF
						136 ⇔ 143	X-Fade Speed: 1 (fastest)
						144 ⇔ 151	X-Fade Speed: 2
						152 ⇔ 159	X-Fade Speed: 3
						160 ⇔ 167	X-Fade Speed: 4 (slowest)
						168 ⇔ 255	Reserved for future use

5-Cell RGBAL / RGBA / RGB / HSV

HSV 15CH	RGB 15CH	RGBA 20CH	RGBAL 25CH	Function	Value	Percent/Setting
–	1	1	1	**Red 1**	000 ⇔ 255	0–100%
–	2	2	2	**Green 1**	000 ⇔ 255	0–100%
–	3	3	3	**Blue 1**	000 ⇔ 255	0–100%
–	–	4	4	**Amber 1**	000 ⇔ 255	0–100%
–	–	–	5	**Lime 1**	000 ⇔ 255	0–100%
1	–	–	–	**Hue 1**	000 ⇔ 255	0–100%
2	–	–	–	**Saturation 1**	000 ⇔ 255	0–100%
3	–	–	–	**Value 1**	000 ⇔ 255	0–100%
–	4	5	6	**Red 2**	000 ⇔ 255	0–100%
–	5	6	7	**Green 2**	000 ⇔ 255	0–100%
–	6	7	8	**Blue 2**	000 ⇔ 255	0–100%
–	–	8	9	**Amber 2**	000 ⇔ 255	0–100%
–	–	–	10	**Lime 2**	000 ⇔ 255	0–100%
4	–	–	–	**Hue 2**	000 ⇔ 255	0–100%
5	–	–	–	**Saturation 2**	000 ⇔ 255	0–100%
6	–	–	–	**Value 2**	000 ⇔ 255	0–100%
–	7	9	11	**Red 3**	000 ⇔ 255	0–100%
–	8	10	12	**Green 3**	000 ⇔ 255	0–100%
–	9	11	13	**Blue 3**	000 ⇔ 255	0–100%
–	–	12	14	**Amber 3**	000 ⇔ 255	0–100%
–	–	–	15	**Lime 3**	000 ⇔ 255	0–100%
7	–	–	–	**Hue 3**	000 ⇔ 255	0–100%
8	–	–	–	**Saturation 3**	000 ⇔ 255	0–100%
9	–	–	–	**Value 3**	000 ⇔ 255	0–100%
–	10	13	16	**Red 4**	000 ⇔ 255	0–100%
–	11	14	17	**Green 4**	000 ⇔ 255	0–100%
–	12	15	18	**Blue 4**	000 ⇔ 255	0–100%
–	–	16	19	**Amber 4**	000 ⇔ 255	0–100%

HSV 15CH	RGB 15CH	RGBA 20CH	RGBAL 25CH	Function	Value	Percent/Setting
–	–	–	20	Lime 4	000 ⇔ 255	0–100%
10	–	–	–	Hue 4	000 ⇔ 255	0–100%
11	–	–	–	Saturation 4	000 ⇔ 255	0–100%
12	–	–	–	Value 4	000 ⇔ 255	0–100%
–	13	17	21	Red 5	000 ⇔ 255	0–100%
–	14	18	22	Green 5	000 ⇔ 255	0–100%
–	15	19	23	Blue 5	000 ⇔ 255	0–100%
–	–	20	24	Amber 5	000 ⇔ 255	0–100%
–	–	–	25	Lime 5	000 ⇔ 255	0–100%
13	–	–	–	Hue 5	000 ⇔ 255	0–100%
14	–	–	–	Saturation 5	000 ⇔ 255	0–100%
15	–	–	–	Value 5	000 ⇔ 255	0–100%

2-Cell DMX Values

2-Cell RGBAL FULL / RGBAL Fine / RGBAL EXT / RGBA EXT / RGB EXT

RGB EXT 15CH	RGBA EXT 17CH	RGBAL EXT 19CH	RGBAL Fine 20CH	RGBAL FULL 31CH	Function	Value	Percent/Setting
1	1	1	–	1	Dimmer	000 ⇔ 255	0–100%
2	2	2	–	2	Dimmer fine	000 ⇔ 255	0–100%
3	3	3	1	3	Red 1	000 ⇔ 255	0–100%
–	–	–	2	4	Red fine 1	000 ⇔ 255	0–100%
4	4	4	3	5	Green 1	000 ⇔ 255	0–100%
–	–	–	4	6	Green fine 1	000 ⇔ 255	0–100%
5	5	5	5	7	Blue 1	000 ⇔ 255	0–100%
–	–	–	6	8	Blue fine 1	000 ⇔ 255	0–100%
–	6	6	7	9	Amber 1	000 ⇔ 255	0–100%
–	–	–	8	10	Amber fine 1	000 ⇔ 255	0–100%
–	–	7	9	11	Lime 1	000 ⇔ 255	0–100%
–	–	–	10	12	Lime fine 1	000 ⇔ 255	0–100%
6	7	8	–	13	Virtual Color Wheel 1	000 ⇔ 255	See the Virtual color wheel chart
7	8	9	–	14	Color Temperature 1	000 ⇔ 255	See the Preset color temperature chart
8	9	10	–	15	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	10	11	11	16	Red 2	000 ⇔ 255	0–100%
–	–	–	12	17	Red fine 2	000 ⇔ 255	0–100%
10	11	12	13	18	Green 2	000 ⇔ 255	0–100%
–	–	–	14	19	Green fine 2	000 ⇔ 255	0–100%
11	12	13	15	20	Blue 2	000 ⇔ 255	0–100%
–	–	–	16	21	Blue fine 2	000 ⇔ 255	0–100%
–	13	14	17	22	Amber 2	000 ⇔ 255	0–100%
–	–	–	18	23	Amber fine 2	000 ⇔ 255	0–100%
–	–	15	19	24	Lime 2	000 ⇔ 255	0–100%
–	–	–	20	25	Lime fine 2	000 ⇔ 255	0–100%
12	14	16	–	26	Virtual Color Wheel 2	000 ⇔ 255	See the Virtual color wheel chart
13	15	17	–	27	Color Temperature 2	000 ⇔ 255	See the Preset color temperature chart
14	16	18	–	28	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
15	17	19	–	29	Strobe all	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
–	–	–	–	30	Color macros	000 ⇔ 015 016 ⇔ 255	No function Color macros

RGB EXT 15CH	RGBA EXT 17CH	RGBAL EXT 19CH	RGBAL Fine 20CH	RGBAL FULL 31CH	Function	Value	Percent/Setting
–	–	–	–	31	**Control** (hold for 3 seconds)	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
						056 ⇔ 063	Inverse square dimmer curve
						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 ⇔ 135	X-Fade Speed: OFF
						136 ⇔ 143	X-Fade Speed: 1 (fastest)
						144 ⇔ 151	X-Fade Speed: 2
						152 ⇔ 159	X-Fade Speed: 3
						160 ⇔ 167	X-Fade Speed: 4 (slowest)
						168 ⇔ 255	Reserved for future use

2-Cell RGBAL / RGBA / RGB / HSV

HSV 6CH	RGB 6CH	RGBA 8CH	RGBAL 10CH	Function	Value	Percent/Setting
–	1	1	1	**Red 1**	000 ⇔ 255	0–100%
–	2	2	2	**Green 1**	000 ⇔ 255	0–100%
–	3	3	3	**Blue 1**	000 ⇔ 255	0–100%
–	–	4	4	**Amber 1**	000 ⇔ 255	0–100%
–	–	–	5	**Lime 1**	000 ⇔ 255	0–100%
1	–	–	–	**Hue 1**	000 ⇔ 255	0–100%
2	–	–	–	**Saturation 1**	000 ⇔ 255	0–100%
3	–	–	–	**Value 1**	000 ⇔ 255	0–100%
–	4	5	6	**Red 2**	000 ⇔ 255	0–100%
–	5	6	7	**Green 2**	000 ⇔ 255	0–100%
–	6	7	8	**Blue 2**	000 ⇔ 255	0–100%
–	–	8	9	**Amber 2**	000 ⇔ 255	0–100%
–	–	–	10	**Lime 2**	000 ⇔ 255	0–100%
4	–	–	–	**Hue 2**	000 ⇔ 255	0–100%
5	–	–	–	**Saturation 2**	000 ⇔ 255	0–100%
6	–	–	–	**Value 2**	000 ⇔ 255	0–100%

1-Cell Personalities

1-Cell RGBAL FULL / RGBAL Fine / RGBAL EXT / RGBA EXT/ RGB EXT

RGB EXT 8CH	RGBA EXT 9CH	RGBAL EXT 10CH	RGBAL Fine 10CH	RGBAL FULL 17CH	Function	Value	Percent/Setting
1	1	1	–	1	**Dimmer**	000 ⇔ 255	0–100%
2	2	2	–	2	**Dimmer fine**	000 ⇔ 255	0–100%
3	3	3	1	3	**Red**	000 ⇔ 255	0–100%
–	–	–	2	4	**Red fine**	000 ⇔ 255	0–100%
4	4	4	3	5	**Green**	000 ⇔ 255	0–100%
–	–	–	4	6	**Green fine**	000 ⇔ 255	0–100%

RGB EXT 8CH	RGBA EXT 9CH	RGBAL EXT 10CH	RGBAL Fine 10CH	RGBAL FULL 17CH	Function	Value	Percent/Setting
5	5	5	5	7	**Blue**	000 ⇔ 255	0–100%
–	–	–	6	8	**Blue fine**	000 ⇔ 255	0–100%
–	6	6	7	9	**Amber**	000 ⇔ 255	0–100%
–	–	–	8	10	**Amber fine**	000 ⇔ 255	0–100%
–	–	7	9	11	**Lime**	000 ⇔ 255	0–100%
–	–	–	10	12	**Lime fine**	000 ⇔ 255	0–100%
6	7	8	–	13	**Virtual Color Wheel**	000 ⇔ 255	See the Virtual color wheel chart
7	8	9	–	14	**Color Temperature**	000 ⇔ 255	See the Preset color temperature chart
8	9	10	–	15	**Strobe**	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
–	–	–	–	16	**Color macros**	000 ⇔ 015 016 ⇔ 255	No function Color macros
–	–	–	–	17	**Control** (hold for 3 seconds)	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 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 135 136 ⇔ 143 144 ⇔ 151 152 ⇔ 159 160 ⇔ 167 168 ⇔ 255	No function Dimmer reset Red shift on Red shift off S-curve dimmer Linear dimmer Square dimmer curve Inverse square dimmer curve Dimmer speed mode: OFF Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 (slowest) Fan auto Fan on Fan off Fan silent X-Fade Speed: OFF X-Fade Speed: 1 (fastest) X-Fade Speed: 2 X-Fade Speed: 3 X-Fade Speed: 4 (slowest) Reserved for future use

1-Cell RGBAL / RGBA / RGB / DMX-VCW-CCT / HSV

HSV 3CH	DMX VCW CCT 3CH	RGB 3CH	RGBA 4CH	RGBAL 5CH	Function	Value	Percent/Setting
–	–	1	1	1	**Red**	000 ⇔ 255	0–100%
–	–	2	2	2	**Green**	000 ⇔ 255	0–100%
–	–	3	3	3	**Blue**	000 ⇔ 255	0–100%
–	–	–	4	4	**Amber**	000 ⇔ 255	0–100%
–	–	–	–	5	**Lime**	000 ⇔ 255	0–100%
–	1	–	–	–	**Dimmer**	000 ⇔ 255	0–100%
–	2	–	–	–	**Virtual Color Wheel**	000 ⇔ 255	See the Virtual color wheel chart
–	3	–	–	–	**Color Temperature**	000 ⇔ 255	See the Preset color temperature chart
1	–	–	–	–	**Hue**	000 ⇔ 255	0–100%
2	–	–	–	–	**Saturation**	000 ⇔ 255	0–100%
3	–	–	–	–	**Value**	000 ⇔ 255	0–100%

Virtual Color Wheel

The Ovation B-2805FC includes a feature called the Virtual Color Wheel (VCW). This feature is available as a stand-alone control mode for manual use and also as a control channel in select DMX personalities. Over 30 pre-mixed colors, custom blended by our engineers, are available to call up for easier programming. The DMX values used to mix these colors are provided below. You may adjust the overall intensity of the Ovation fixture in order to more closely replicate colors you are familiar with. A chart is available on our website www.chauvetprofessional.com to compare our pre-mixed colors with popular gel colors. This chart is for comparison purposes only and is not a representation that our pre-mixed colors match any of the gel colors listed.

Virtual color wheel chart

DMX Value	Display Readout	Red Value	Green	Blue	Amber	Lime
000 ⇔ 005	--	000	000	000	000	000
006 ⇔ 013	C3050 - Md Yellow	233	163	020	123	255
014 ⇔ 021	C3040 - Lt Yellow	224	158	047	255	231
022 ⇔ 028	C3240 - Amb Yellow	180	060	000	245	255
029 ⇔ 035	C2340 - VLt Amber	245	107	081	255	213
036 ⇔ 043	C2040 - Lt Amber	230	130	062	255	155
044 ⇔ 051	C2050 - Md Amber	255	000	025	255	194
052 ⇔ 059	C2060 - Dk Amber	255	000	024	255	150
060 ⇔ 067	C1050 - Lt Red	255	037	027	030	038
068 ⇔ 075	C1080 - Md Red	255	004	017	000	000
076 ⇔ 083	C1020 - NC Pink	238	135	129	255	255
084 ⇔ 091	C1030 - Md Pink	255	131	120	255	195
092 ⇔ 099	C1630 - Dk Pink	255	165	123	255	210
100 ⇔ 107	C1250 - Md Red Amber	255	000	041	195	055
108 ⇔ 115	C1060 - Dk Red Amber	255	000	045	120	030
116 ⇔ 121	C1650 - Magenta	255	050	115	255	115
122 ⇔ 130	C6170 - Dk Magenta	255	035	117	000	000
131 ⇔ 138	C6020 - Lt Lavender	127	122	142	251	255
139 ⇔ 146	C5030 - Lt Blue	000	255	197	100	255
147 ⇔ 154	C5020 - VLt Blue	158	255	189	000	255
155 ⇔ 162	C5430 - Lt Blue 2	000	255	180	000	243
163 ⇔ 170	C5070 - Blue	043	255	210	043	036
171 ⇔ 178	C5050 - Md Blue	000	255	218	000	181
179 ⇔ 186	C5060 - Dk Blue	000	210	206	000	118
187 ⇔ 194	C5690 - Indigo	065	000	210	040	055
195 ⇔ 202	C5080 - VDk Blue	000	203	230	000	040
203 ⇔ 210	C5081 - VDk Blue2	040	199	240	000	045
211 ⇔ 218	C4370 - Yel Green	027	255	028	016	104
219 ⇔ 226	C4070 - Green	049	255	055	120	090
227 ⇔ 234	C4550 - Turquoise	060	230	109	000	245
235 ⇔ 242	C4560 - Aqua	020	240	126	036	255
243 ⇔ 250	C4570 - Blue Green	000	255	079	030	053
251 ⇔ 255	--	000	000	000	000	000

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

Preset color temperature chart

DMX Value	Display Readout	Red Value	Green	Blue	Amber	Lime
000 ⇔ 005	--	000	000	000	000	000
006 ⇔ 025	2800K	237	120	036	255	255
026 ⇔ 050	3000K	220	128	050	255	255
051 ⇔ 075	3200K	176	128	057	255	255
076 ⇔ 100	3500K	154	128	080	255	255
101 ⇔ 125	4000K	128	128	112	255	255
126 ⇔ 150	4500K	108	128	133	255	255
151 ⇔ 175	5000K	097	128	152	255	255
176 ⇔ 200	5600K	087	128	170	255	255
201 ⇔ 225	6000K	075	128	177	255	255
226 ⇔ 250	6500K	066	128	187	255	255
251 ⇔ 255	--	000	000	000	000	000

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

Configuration (Standalone)

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

Static Mode

The Static mode allows for an unchanging color without a DMX controller.

Virtual Color Wheel

1. 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

1. Go to the **Virtual Color Wheel** main level.
2. Select **Color Temperature**.
3. Select the desired color temperature (see Preset color temperature chart).
4. Select the desired output level (**<000–255>**).

Manual Color Mixer

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 **Lime**).
4. Select the desired output level for that color (**<000–255>**).
5. Repeat steps 3 and 4 until product outputs as desired.

Color X-Fade Speed

The Color X-Fade Speed sets the cross-fade speed for Virtual Color Wheel options.

1. Go to the **Virtual Color Wheel** main level.
2. Select **Color X-Fade Speed**.
3. Select the desired cross-fade speed (**Off, X-Fade Speed 1–4**).

Auto Programs

Auto programs allow for dynamic blinder effects without a DMX controller.

1. Go to the **Auto Show** main level
2. Select the desired auto program (**Auto 1–9** or **Fade**).
3. Select the desired speed (**1–100**).

The auto programs cannot be edited.

Configuration (Settings)

Red Shift

This function causes the color temperature of the LEDs to imitate the appearance of a lamp when dimming.

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

Master/Slave

The Master/Slave mode allows a group of Ovation B-2805FC products (the slaves) to simultaneously duplicate the output of another Ovation B-2805FC (the master) without a DMX controller.

To set each of the slaves:

1. Go to the **Master/Slave** main level
2. Select **Slave**.

To set the master:

1. Go to the **Master/Slave** main level
2. Select **Master**.
3. Select an auto program as explained in Auto Programs, or 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

This setting determines the curve on which the output dims when you modify the output value.

1. Go to the **Dimmer Curve** main level.
2. Select a dimmer curve (**S-Curve**, **Linear**, **Square**, or **Inverse Square**).

S-Curve: The output follows an S-shaped curve.
Linear: The output is proportional (linear) to the dimmer channel value.
Square: The output follows a square-law curve.
Inverse Square: The output follows an inverse square-law curve.

Dimmer Profiles

This setting determines how fast the output of the Ovation B-2805FC changes when you modify the output value. This setting provides four different options to simulate the dimming curve of an incandescent lighting product.

1. 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, DIM1 being the fastest.

White Balance

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

1. Go to the White Balance main level.
2. Select **Off** (the product will use a default setting) or **Manual**.
3. For **Manual** mode, select the color value to edit (**Red**, **Green**, **Blue**, **Amber**, or **Lime**).
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 B-2805FC.

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 B-2805FC 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, 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.

Display Orientation

This setting allows for selection of the display orientation.

1. Go to the **Display** main menu,
2. Select **Normal** (upright display) or **Inverse** (inverted display).

Back Light

This setting allows for selection of the amount of time the backlight on the Ovation B-2805FC's display stays on after the last button is pressed on the control panel.

1. Go to the **Back Light** main level.
2. Select **10S** (10 seconds), **30S** (seconds), **2Min** (2 minutes), or **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**, **Device ID**, or **UID**.

Factory Reset

This option restores the Ovation B-2805FC to factory default settings.

1. Go to the **Factory Setting** main level.
2. Select **No** or **Yes**.

Web Server

The Ovation B-2805FC Web Server can be accessed by any computer on the same network as the product. It allows network access to system information, settings such as control protocol and starting address, color output testing, and the ability to change the Web Server password.

1. Connect the product to a Windows computer with a network cable.
2. On the computer, set the IP address of the new network to have the same first 3 digits as the IP address of the product (See IP Address).
3. Enter the IP address of the product into the URL bar of a web browser on the computer.
4. Enter both the User Name and Password as **admin** to log in.

Home

The Web Server Home page displays the details of all available control protocols, as well as the technical specifications for the Ovation B-2805FC.

Settings

The Web Server Settings page provides options for control. From the drop-down menus, the Protocol, Universe, IP Address, Start Address, Personality, Dimmer Mode, and PWM Frequency can all be edited. Click **Save Settings** to send the new configuration to the product.

Output

On the Web Server Output page, an output test of the product's LEDs can be performed, by either editing the values of each LED manually (by typing the number or moving the fader), or by selecting a sample color. The page will show the currently output color on the bottom left. To stop the output test, click **Click to Stop**.

Security

The Web Server Security page gives the option to change the password to the connected product's web server. Enter the old password (**admin**, by default) and the new password twice, then click **Save Settings** to change the password.

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.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents.
4. 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.

Do not spin the cooling fan using compressed air because you could damage it.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
69 in (1,753 mm)	8.26 in (210 mm)	8.13 in (207 mm)	45.4 lb (20.5 kg)

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

Power

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

Parameter	120 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	230 V, 50 Hz
Consumption	645 W	636 W	634 W	639 W	619 W
Operating current	6.45 A	5.30 A	3.05 A	2.78 A	2.68 A
Power-linking current (products)	13.6 A (2 products)	13.6 A (2 products)	13.6 A (4 products)	13.6 A (5 products)	13.6 A (5 products)
Fuse	T10 A, 250 V	T10 A, 250 V	T10 A, 250 V	T10 A, 250 V	T10 A, 250 V

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

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Red	60	3 W	650 mA	50,000 hours
LED	Green	60	3 W	650 mA	50,000 hours
LED	Blue	60	3 W	650 mA	50,000 hours
LED	Amber	40	3 W	650 mA	50,000 hours
LED	Lime	60	3 W	650 mA	50,000 hours

Photometrics

Parameter	Value	Parameter	Value
Color temperature range	2800 K to 10,000 K	Installed optics	20°
Beam angle (horizontal)	25°	Beam angle (horizontal w/ filter)	52°
Beam angle (vertical)	20°	Beam angle (vertical w/ filter)	20°
Field angle (horizontal)	42°	Field angle (horizontal w/ filter)	83°
Field angle (vertical)	40°	Field angle (vertical w/ filter)	40°
Illuminance @ 5 m	5,586 lux	Illuminance @ 5 m (w/ filter)	2,320
Selectable PWM	600 Hz, 1200 Hz, 2000 Hz, 4000 Hz, 6,000 Hz, 25,000 Hz		

Thermal

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

Control

Protocol	I/O Connector	Channel Range
DMX	3- and 5-pin XLR	1 Cell: 3, 4, 5, 8, 9, 10, 10, 17
Art-Net™	Amphenol etherCON®	2 Cell: 6, 8, 10, 15, 17, 19, 20, 31
sACN		5: Cell: 15, 20, 25, 33, 38, 43, 50, 70
		10 Cell: 30, 40, 50, 63, 73, 83, 100, 135

Ordering

Product Name	Item Name	Item Code	UPC Number
Ovation B-2805FC	OVATIONB2805FC	03031209	781462215576

UL 1573
CSA C22.2 No. 166
E113093

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 an 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.

Once you have the RMA number, provide 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

General Information	Technical Support
Chauvet World Headquarters	
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet U.K.	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Benelux	
Address: Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet France	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Chauvet Germany	
Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Chauvet Mexico	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	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.