OVATION
B-2805FC

User Manual

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 5th 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 1
Manual Conventions 1
Symbols 1
Safety Notes 2
Personal Safety 2
Mounting and Rigging 2
Power and Wiring 2
Operation 2
Expected LED Lifespan 2
2. Introduction 3
Description 3
Features 3
Product Overview 3
Product Dimensions 4
3. Setup 5
AC Power 5
AC Plug 5
Power Linking 5
Signal Connections 5
DMX Connection 5
Art-Net™ Connection 5
sACN Connection 5
Connection Diagram 6
Remote Device Management (RDM) 6
Master/Slave Connectivity 6
Mounting 7
Orientation 7
Rigging 7
Procedure 7
Mounting Diagram 7
4. Operation 8
Control Panel Operation 8
Programming 8
Menu Map 8
Configuration (DMX/Art-Net™/sACN) 12
Control Protocol 12
Ethernet Setting 12
Universe 12
IP Address 12
Control Personalities 12
Starting Address 12
DMX Values 13
10-Cell Personalities 13
10-Cell RGBAL FULL 135CH 13
10-Cell RGBAL Fine 100CH 17
10-Cell RGBAL EXT 83CH 19
110-Cell RGBA EXT 73CH 21
10-Cell RGB EXT 63CH 23
10-Cell RGBAL 50CH 25

10-Cell RGBA 40CH 27
10-Cell RGB 30CH 28
10-Cell HSV 30CH 28
5-Cell Personalities 29
5-Cell RGBAL FULL 70CH 29
5-Cell RGBAL Fine 50CH 31
5-Cell RGBAL EXT 43CH 32
5-Cell RGBA EXT 38CH 33
5-Cell RGB EXT 33CH 35
5-Cell RGBAL 25CH 36
5-Cell RGBA 20CH 36
5-Cell RGB 15CH 37
5-Cell HSV 15CH (cont.) 37
2-Cell Personalities 38
2-Cell RGBAL FULL 31CH 38
2-Cell RGBAL Fine 20CH 38
2-Cell RGBAL EXT 19CH 39
2-Cell RGBA EXT 17CH 40
2-Cell RGB EXT 15CH 40
2-Cell RGBAL 10CH 41
2-Cell RGBA 8CH 41
2-Cell RGB 6CH 41
2-Cell HSV 6CH 41
1-Cell Personalities 42
1-Cell RGBAL FULL 17CH 42
1-Cell RGBAL Fine 10CH 42
1-Cell RGBAL EXT 10CH 42
1-Cell RGBA EXT 9CH 43
1-Cell RGB EXT 8CH 43
1-Cell RGBAL 5CH 43
1-Cell RGBA 4CH 44
1-Cell RGB 3CH 44
1-Cell DMX-VCW-CCT 3CH 44
1-Cell HSV 3CH 44
Virtual Color Wheel 44
Virtual Color Wheel Chart 45
Preset Color Temperature Chart 45
Configuration (Standalone) 45
Static Mode 45
Virtual Color Wheel 46
Color Temperature 46
Manual Color Mixer 46
Auto Programs 46
Master/Slave 46
Dimmer Profiles 46
White Balance 46
LED Frequency 47
Fan Mode 47
Display Orientation 47
Back Light 47
System Information 47
Factory Reset 47
Web Server 47
Home 47

Settings 47
Output 48
Security 48
5. Technical Information 49
Product Maintenance 49
6. Technical Specifications 50
Photometrics Chart 52
7. Returns 53
8. Contact Us 54

1. BEFORE YOU BEGIN

What Is Included

- Ovation B-2805FC
- Neutrik® powerCON® Power Cord
- Wall Washing Filter
- Warranty Card
- 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.

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 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

- 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

- 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

LEDs gradually decline in brightness over time, primarily because of heat. LEDs that are arranged in clusters experience higher operating temperatures than single LEDs. For this reason, operating clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan is 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product, thus reducing the ambient temperature. In addition, limiting the overall projection intensity may extend the LEDs' lifespan.

2. INTRODUCTION

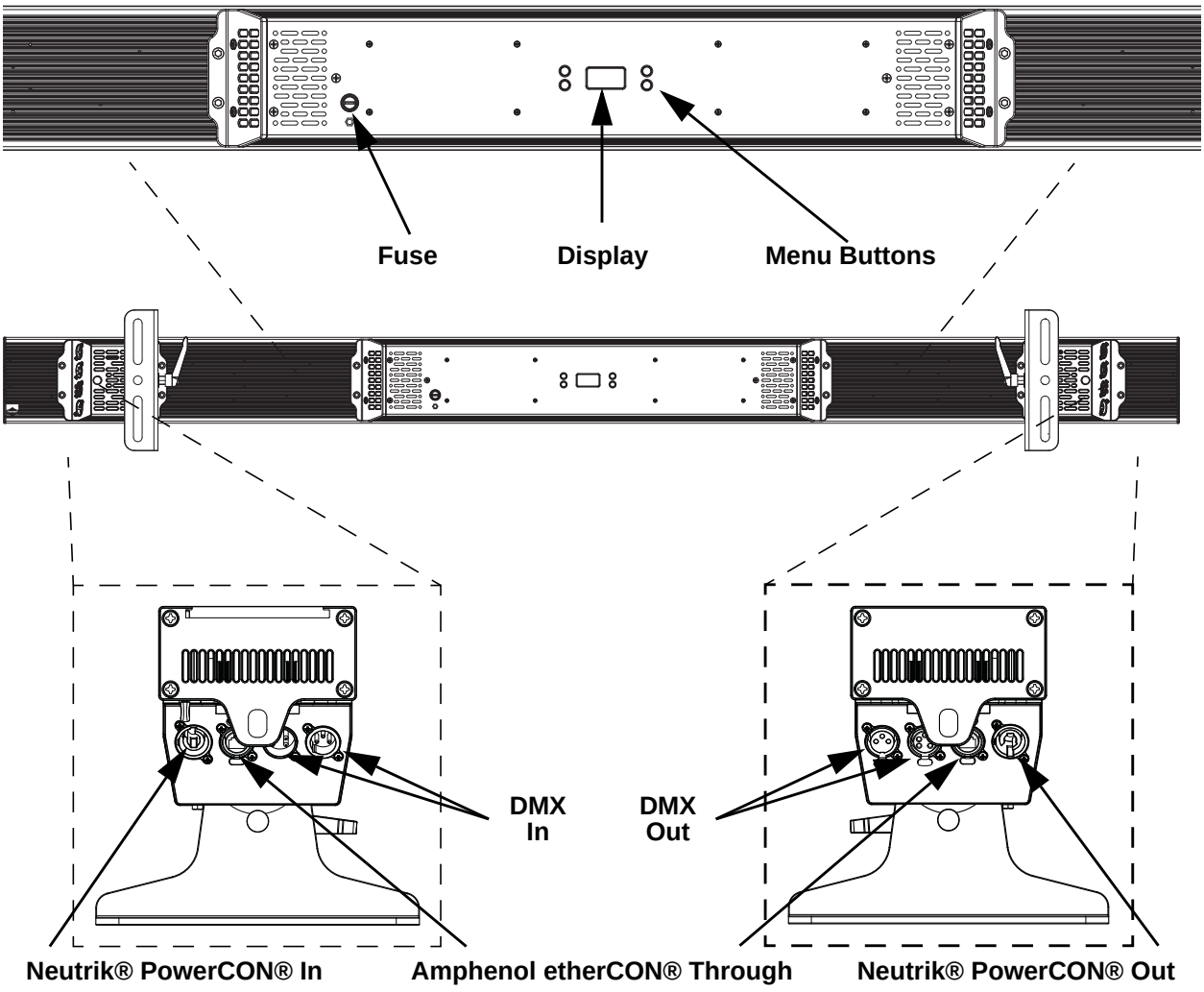
Description

The Ovation B-2805FC is a high-power full color LED (RGBAL) batten. It features full RGBA-Lime color mixing with modes providing full 16-bit dimming for up to 10 cells, selectable PWM, RDM, Art-Net™, and sACN. The Virtual Color Wheel matches popular gel colors comparable to those projected by a tungsten source, in addition to color temperature presets that match a tungsten source from 2800 to 6500 K. Enhance the product's wall-washing ability with the included holographic filter.

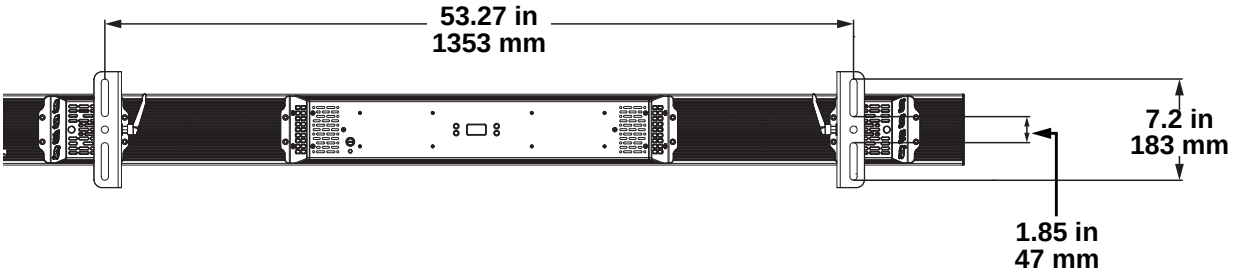
Features

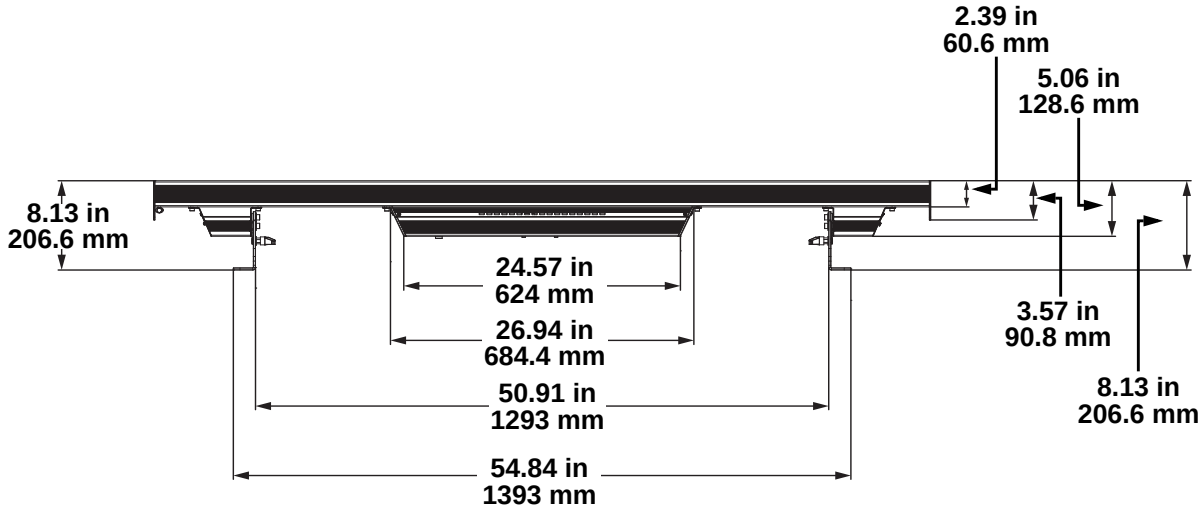
- Full Color LED (RGBAL) batten fixture for theatre, film and production
- Theatre-ready with 16-bit dimming of master dimmer and individual colors
- Multiple control personalities for complex programming schemes up to 10 sections of control
- Included holographic filter for use in cyc lighting or wall 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

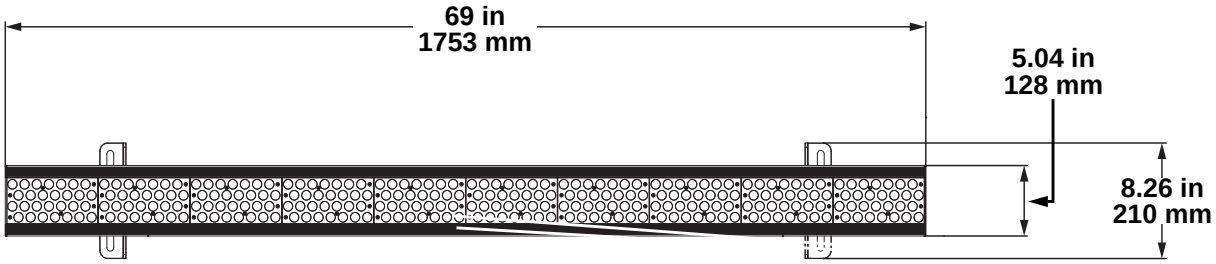
Product Overview



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 your product has no plug, or if you need the change the plug, 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. You can power link up to 2 products at 120 V; up to 3 at 208 V; or up to 4 at 230 V.

This product comes with a power input cord. Power linking cables are available from Chauvet for purchase.

Signal Connections

The Ovation B-2805FC uses DMX, Art-Net™, or sACN for the 33 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

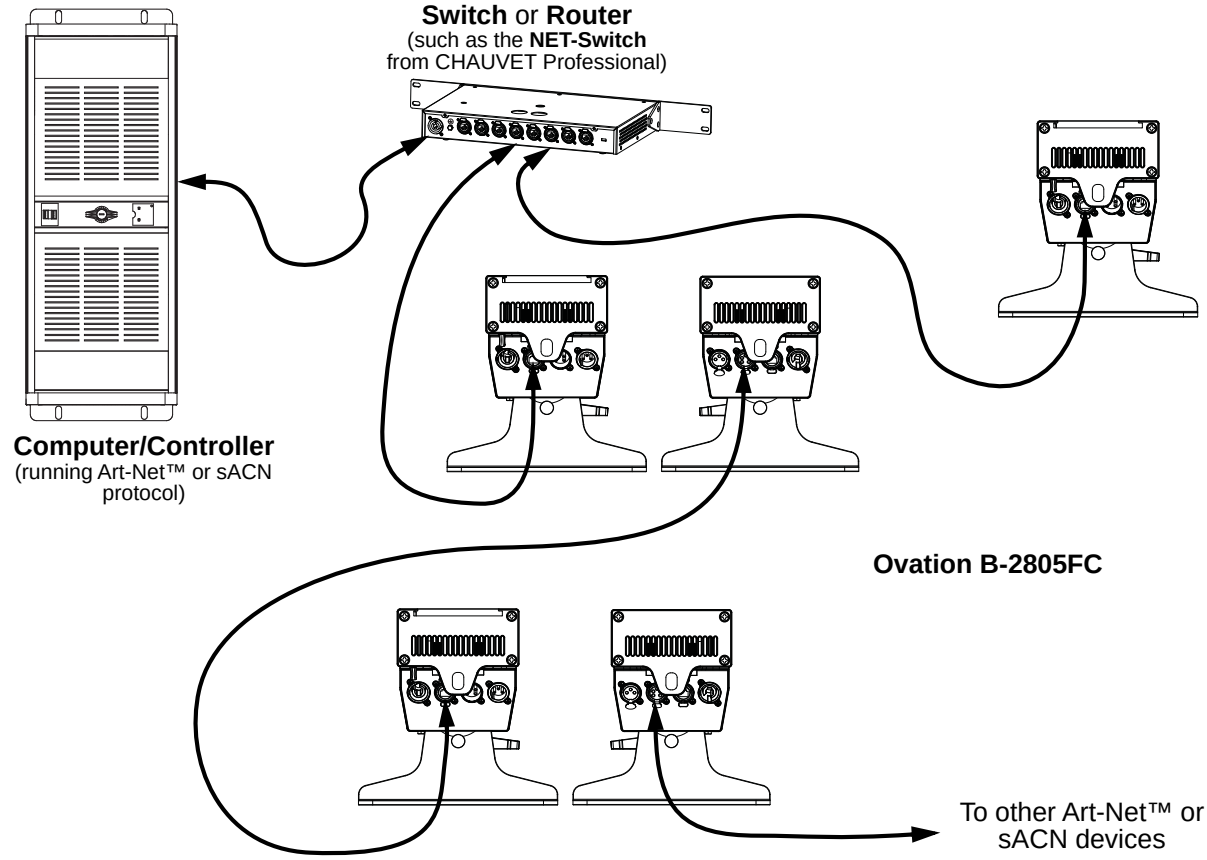
Art-Net™ is an Ethernet protocol that uses TCP/IP which transfers a large amount of DMX512 data using an Neutrik® etherCON® RJ45 connection over a large network. An Art-Net™ protocol document is available from **www.chauvetprofessional.com**.

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

sACN Connection

Kling-Net is a network protocol that allows auto configuration of display devices using a Neutrik® etherCON® RJ45 Ethernet connection. Refer to the ArKaos software manual for detailed instructions on programming this product.

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

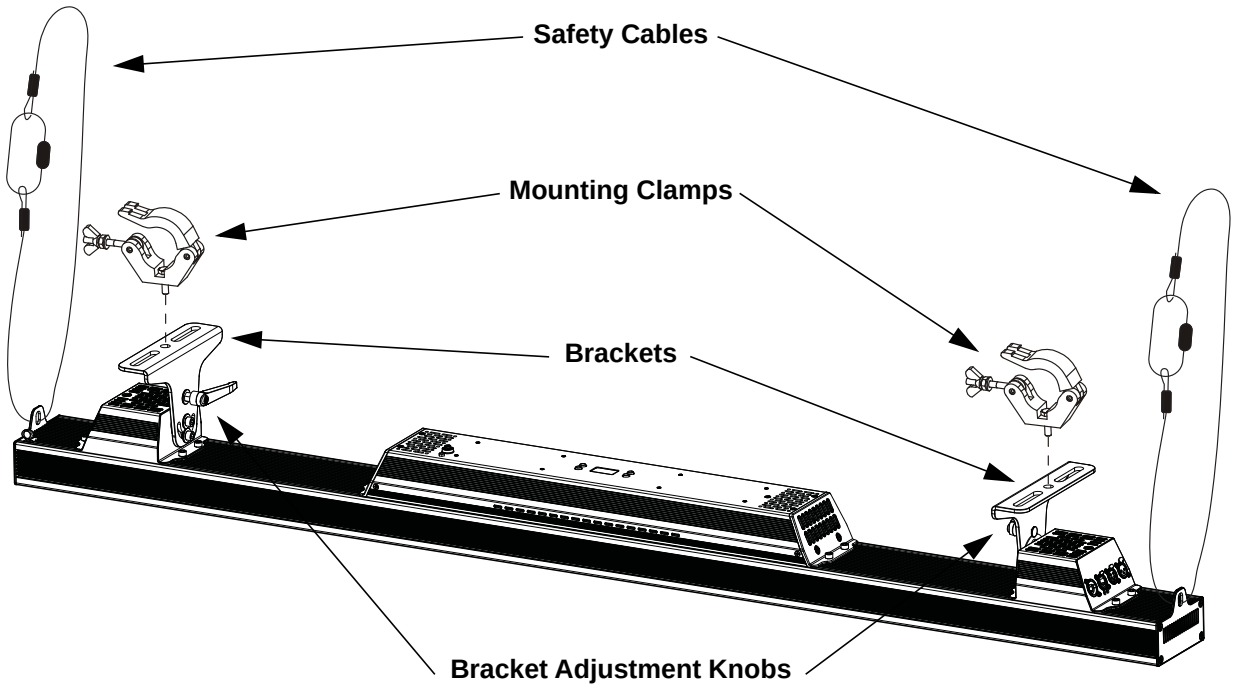
Chauvet recommends using the following general guidelines when mounting this product.

- 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 comes with 2 brackets to which you can attach mounting clamps directly. You must supply the mounting clamps. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point 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 currently 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

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, dimmer mode
	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, dimmer mode
	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, dimmer mode
	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, dimmer mode

Main Level	Programming Levels				Description
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			
		C1020 - NC Pink			
		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.
		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			

Main Level	Programming Levels			Description
Auto Show	Auto 1	Speed 1–100		Selects automatic programs and auto program speed
	Auto 2			
	Auto 3			
	Auto 4			
	Auto 5			
	Auto 6			
	Auto 7			
	Auto 8			
	Auto 9			
	Fade			
Master/Slave	Master			Master mode
	Slave			Slave mode
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 Speed			Sets the fan to auto mode
	On			Sets the fan to always on
	Off			Sets the fan to always off (affects output)
Display	Normal			Normal display orientation
	Inverse			Inverted display
Back Light	On			Display backlight always on
	10S			Turns off display after 10 seconds of inactivity
	20S			Turns off display after 20 seconds of inactivity
	30S			Turns off display after 30 seconds of inactivity
Ethernet Setting	Universe	**1** (DMX)		Sets universe for Art-Net™ or sACN
		0–255 (Art-Net™)		
		1-256 (sACN)		
	IP Address	_ _ _._ _ _._ _ _._ _ _		Sets IP address
Information	Fixture Hours	_ _ _ _		Shows total hour product has been powered
	Version	V_._-V_._		Shows installed software version
	Device ID	_ _ _ _ _ _ _ _		Shows product device ID
	UID	_ _ _ _ _ _ _ _ _ _ _ _		Shows product UID

Main Level	Programming Levels	Description
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**).

Ethernet Setting

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

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.

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		

DMX Values

10-Cell Personalities

10-Cell RGBAL FULL 135CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Red Fine 1	000 ⇔ 255	0–100%
5	Green 1	000 ⇔ 255	0–100%
6	Green Fine 1	000 ⇔ 255	0–100%
7	Blue 1	000 ⇔ 255	0–100%
8	Blue Fine 1	000 ⇔ 255	0–100%
9	Amber 1	000 ⇔ 255	0–100%
10	Amber Fine 1	000 ⇔ 255	0–100%
11	Lime 1	000 ⇔ 255	0–100%
12	Lime Fine 1	000 ⇔ 255	0–100%
13	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
14	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
15	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
16	Red 2	000 ⇔ 255	0–100%
17	Red Fine 2	000 ⇔ 255	0–100%
18	Green 2	000 ⇔ 255	0–100%
19	Green Fine 2	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
20	Blue 2	000 ⇔ 255	0–100%
21	Blue Fine 2	000 ⇔ 255	0–100%
22	Amber 2	000 ⇔ 255	0–100%
23	Amber Fine 2	000 ⇔ 255	0–100%
24	Lime 2	000 ⇔ 255	0–100%
25	Lime Fine 2	000 ⇔ 255	0–100%
26	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
27	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
28	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
29	Red 3	000 ⇔ 255	0–100%
30	Red Fine 3	000 ⇔ 255	0–100%
31	Green 3	000 ⇔ 255	0–100%
32	Green Fine 3	000 ⇔ 255	0–100%
33	Blue 3	000 ⇔ 255	0–100%
34	Blue Fine 3	000 ⇔ 255	0–100%
35	Amber 3	000 ⇔ 255	0–100%
36	Amber Fine 3	000 ⇔ 255	0–100%
37	Lime 3	000 ⇔ 255	0–100%
38	Lime Fine 3	000 ⇔ 255	0–100%
39	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
40	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
41	Strobe 3	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
42	Red 4	000 ⇔ 255	0–100%
43	Red Fine 4	000 ⇔ 255	0–100%
44	Green 4	000 ⇔ 255	0–100%
45	Green Fine 4	000 ⇔ 255	0–100%
46	Blue 4	000 ⇔ 255	0–100%
47	Blue Fine 4	000 ⇔ 255	0–100%
48	Amber 4	000 ⇔ 255	0–100%
49	Amber Fine 4	000 ⇔ 255	0–100%
50	Lime 4	000 ⇔ 255	0–100%
51	Lime Fine 4	000 ⇔ 255	0–100%
52	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
53	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
54	Strobe 4	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
55	Red 5	000 ⇔ 255	0–100%
56	Red Fine 5	000 ⇔ 255	0–100%
57	Green 5	000 ⇔ 255	0–100%
58	Green Fine 5	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
59	Blue 5	000 ⇔ 255	0–100%
60	Blue Fine 5	000 ⇔ 255	0–100%
61	Amber 5	000 ⇔ 255	0–100%
62	Amber Fine 5	000 ⇔ 255	0–100%
63	Lime 5	000 ⇔ 255	0–100%
64	Lime Fine 5	000 ⇔ 255	0–100%
65	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
66	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
67	Strobe 5	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
68	Red 6	000 ⇔ 255	0–100%
69	Red Fine 6	000 ⇔ 255	0–100%
70	Green 6	000 ⇔ 255	0–100%
71	Green Fine 6	000 ⇔ 255	0–100%
72	Blue 6	000 ⇔ 255	0–100%
73	Blue Fine 6	000 ⇔ 255	0–100%
74	Amber 6	000 ⇔ 255	0–100%
75	Amber Fine 6	000 ⇔ 255	0–100%
76	Lime 6	000 ⇔ 255	0–100%
77	Lime Fine 6	000 ⇔ 255	0–100%
78	Virtual Color Wheel 6	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
79	Color Temperature 6	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
80	Strobe 6	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
81	Red 7	000 ⇔ 255	0–100%
82	Red Fine 7	000 ⇔ 255	0–100%
83	Green 7	000 ⇔ 255	0–100%
84	Green Fine 7	000 ⇔ 255	0–100%
85	Blue 7	000 ⇔ 255	0–100%
86	Blue Fine 7	000 ⇔ 255	0–100%
87	Amber 7	000 ⇔ 255	0–100%
88	Amber Fine 7	000 ⇔ 255	0–100%
89	Lime 7	000 ⇔ 255	0–100%
90	Lime Fine 7	000 ⇔ 255	0–100%
91	Virtual Color Wheel 7	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
92	Color Temperature 7	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
93	Strobe 7	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
94	Red 8	000 ⇔ 255	0–100%
95	Red Fine 8	000 ⇔ 255	0–100%
96	Green 8	000 ⇔ 255	0–100%
97	Green Fine 8	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
98	Blue 8	000 ⇔ 255	0–100%
99	Blue Fine 8	000 ⇔ 255	0–100%
100	Amber 8	000 ⇔ 255	0–100%
101	Amber Fine 8	000 ⇔ 255	0–100%
102	Lime 8	000 ⇔ 255	0–100%
103	Lime Fine 8	000 ⇔ 255	0–100%
104	Virtual Color Wheel 8	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
105	Color Temperature 8	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
106	Strobe 8	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
107	Red 9	000 ⇔ 255	0–100%
108	Red Fine 9	000 ⇔ 255	0–100%
109	Green 9	000 ⇔ 255	0–100%
110	Green Fine 9	000 ⇔ 255	0–100%
111	Blue 9	000 ⇔ 255	0–100%
112	Blue Fine 9	000 ⇔ 255	0–100%
113	Amber 9	000 ⇔ 255	0–100%
114	Amber Fine 9	000 ⇔ 255	0–100%
115	Lime 9	000 ⇔ 255	0–100%
116	Lime Fine 9	000 ⇔ 255	0–100%
117	Virtual Color Wheel 9	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
118	Color Temperature 9	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
119	Strobe 9	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
120	Red 10	000 ⇔ 255	0–100%
121	Red Fine 10	000 ⇔ 255	0–100%
122	Green 10	000 ⇔ 255	0–100%
123	Green Fine 10	000 ⇔ 255	0–100%
124	Blue 10	000 ⇔ 255	0–100%
125	Blue Fine 10	000 ⇔ 255	0–100%
126	Amber 10	000 ⇔ 255	0–100%
127	Amber Fine 10	000 ⇔ 255	0–100%
128	Lime 10	000 ⇔ 255	0–100%
129	Lime Fine 10	000 ⇔ 255	0–100%
130	Virtual Color Wheel 10	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
131	Color Temperature 10	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
132	Strobe 10	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
133	Strobe All	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
134	Color Macros	000 ⇔ 015 016 ⇔ 255	No function Color macros

Channel	Function	Value	Percent/Setting
135	Dimmer Speed	000 ⇔ 051 052⇔ 101 102 ⇔ 152 153 ⇔ 203 204 ⇔ 255	Preset dimmer speed from display menu Dimmer speed mode off Dimmer speed mode 1 (fastest) Dimmer speed mode 2 Dimmer speed mode 3 (slowest)

10-Cell RGBAL Fine 100CH

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

Channel	Function	Value	Percent/Setting
40	Lime Fine 4	000 ⇔ 255	0–100%
41	Red 5	000 ⇔ 255	0–100%
42	Red Fine 5	000 ⇔ 255	0–100%
43	Green 5	000 ⇔ 255	0–100%
44	Green Fine 5	000 ⇔ 255	0–100%
45	Blue 5	000 ⇔ 255	0–100%
46	Blue Fine 5	000 ⇔ 255	0–100%
47	Amber 5	000 ⇔ 255	0–100%
48	Amber Fine 5	000 ⇔ 255	0–100%
49	Lime 5	000 ⇔ 255	0–100%
50	Lime Fine 5	000 ⇔ 255	0–100%
51	Red 6	000 ⇔ 255	0–100%
52	Red Fine 6	000 ⇔ 255	0–100%
53	Green 6	000 ⇔ 255	0–100%
54	Green Fine 6	000 ⇔ 255	0–100%
55	Blue 6	000 ⇔ 255	0–100%
56	Blue Fine 6	000 ⇔ 255	0–100%
57	Amber 6	000 ⇔ 255	0–100%
58	Amber Fine 6	000 ⇔ 255	0–100%
59	Lime 6	000 ⇔ 255	0–100%
60	Lime Fine 6	000 ⇔ 255	0–100%
61	Red 7	000 ⇔ 255	0–100%
62	Red Fine 7	000 ⇔ 255	0–100%
63	Green 7	000 ⇔ 255	0–100%
64	Green Fine 7	000 ⇔ 255	0–100%
65	Blue 7	000 ⇔ 255	0–100%
66	Blue Fine 7	000 ⇔ 255	0–100%
67	Amber 7	000 ⇔ 255	0–100%
68	Amber Fine 7	000 ⇔ 255	0–100%
69	Lime 7	000 ⇔ 255	0–100%
70	Lime Fine 7	000 ⇔ 255	0–100%
71	Red 8	000 ⇔ 255	0–100%
72	Red Fine 8	000 ⇔ 255	0–100%
73	Green 8	000 ⇔ 255	0–100%
74	Green Fine 8	000 ⇔ 255	0–100%
75	Blue 8	000 ⇔ 255	0–100%
76	Blue Fine 8	000 ⇔ 255	0–100%
77	Amber 8	000 ⇔ 255	0–100%
78	Amber Fine 8	000 ⇔ 255	0–100%
79	Lime 8	000 ⇔ 255	0–100%
80	Lime Fine 8	000 ⇔ 255	0–100%
81	Red 9	000 ⇔ 255	0–100%
82	Red Fine 9	000 ⇔ 255	0–100%
83	Green 9	000 ⇔ 255	0–100%
84	Green Fine 9	000 ⇔ 255	0–100%
85	Blue 9	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
86	Blue Fine 9	000 ⇔ 255	0–100%
87	Amber 9	000 ⇔ 255	0–100%
88	Amber Fine 9	000 ⇔ 255	0–100%
89	Lime 9	000 ⇔ 255	0–100%
90	Lime Fine 9	000 ⇔ 255	0–100%
91	Red 10	000 ⇔ 255	0–100%
92	Red Fine 10	000 ⇔ 255	0–100%
93	Green 10	000 ⇔ 255	0–100%
94	Green Fine 10	000 ⇔ 255	0–100%
95	Blue 10	000 ⇔ 255	0–100%
96	Blue Fine 10	000 ⇔ 255	0–100%
97	Amber 10	000 ⇔ 255	0–100%
98	Amber Fine 10	000 ⇔ 255	0–100%
99	Lime 10	000 ⇔ 255	0–100%
100	Lime Fine 10	000 ⇔ 255	0–100%

10-Cell RGBAL EXT 83CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Amber 1	000 ⇔ 255	0–100%
7	Lime 1	000 ⇔ 255	0–100%
8	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
9	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
10	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
11	Red 2	000 ⇔ 255	0–100%
12	Green 2	000 ⇔ 255	0–100%
13	Blue 2	000 ⇔ 255	0–100%
14	Amber 2	000 ⇔ 255	0–100%
15	Lime 2	000 ⇔ 255	0–100%
16	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
17	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
18	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
19	Red 3	000 ⇔ 255	0–100%
20	Green 3	000 ⇔ 255	0–100%
21	Blue 3	000 ⇔ 255	0–100%
22	Amber 3	000 ⇔ 255	0–100%
23	Lime 3	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
24	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
25	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
26	Strobe 3	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
27	Red 4	000 ⇔ 255	0–100%
28	Green 4	000 ⇔ 255	0–100%
29	Blue 4	000 ⇔ 255	0–100%
30	Amber 4	000 ⇔ 255	0–100%
31	Lime 4	000 ⇔ 255	0–100%
32	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
33	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
34	Strobe 4	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
35	Red 5	000 ⇔ 255	0–100%
36	Green 5	000 ⇔ 255	0–100%
37	Blue 5	000 ⇔ 255	0–100%
38	Amber 5	000 ⇔ 255	0–100%
39	Lime 5	000 ⇔ 255	0–100%
40	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
41	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
42	Strobe 5	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
43	Red 6	000 ⇔ 255	0–100%
44	Green 6	000 ⇔ 255	0–100%
45	Blue 6	000 ⇔ 255	0–100%
46	Amber 6	000 ⇔ 255	0–100%
47	Lime 6	000 ⇔ 255	0–100%
48	Virtual Color Wheel 6	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
49	Color Temperature 6	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
50	Strobe 6	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
51	Red 7	000 ⇔ 255	0–100%
52	Green 7	000 ⇔ 255	0–100%
53	Blue 7	000 ⇔ 255	0–100%
54	Amber 7	000 ⇔ 255	0–100%
55	Lime 7	000 ⇔ 255	0–100%
56	Virtual Color Wheel 7	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
57	Color Temperature 7	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
58	Strobe 7	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

Channel	Function	Value	Percent/Setting
59	Red 8	000 ⇔ 255	0–100%
60	Green 8	000 ⇔ 255	0–100%
61	Blue 8	000 ⇔ 255	0–100%
62	Amber 8	000 ⇔ 255	0–100%
63	Lime 8	000 ⇔ 255	0–100%
64	Virtual Color Wheel 8	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
65	Color Temperature 8	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
66	Strobe 8	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
67	Red 9	000 ⇔ 255	0–100%
68	Green 9	000 ⇔ 255	0–100%
69	Blue 9	000 ⇔ 255	0–100%
70	Amber 9	000 ⇔ 255	0–100%
71	Lime 9	000 ⇔ 255	0–100%
72	Virtual Color Wheel 9	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
73	Color Temperature 9	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
74	Strobe 9	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
75	Red 10	000 ⇔ 255	0–100%
76	Green 10	000 ⇔ 255	0–100%
77	Blue 10	000 ⇔ 255	0–100%
78	Amber 10	000 ⇔ 255	0–100%
79	Lime 10	000 ⇔ 255	0–100%
80	Virtual Color Wheel 10	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
81	Color Temperature 10	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
82	Strobe 10	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
83	Strobe All	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

110-Cell RGBA EXT 73CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Amber 1	000 ⇔ 255	0–100%
7	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
8	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
9	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

Channel	Function	Value	Percent/Setting
10	Red 2	000 ⇔ 255	0–100%
11	Green 2	000 ⇔ 255	0–100%
12	Blue 2	000 ⇔ 255	0–100%
13	Amber 2	000 ⇔ 255	0–100%
14	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
15	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
16	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
17	Red 3	000 ⇔ 255	0–100%
18	Green 3	000 ⇔ 255	0–100%
19	Blue 3	000 ⇔ 255	0–100%
20	Amber 3	000 ⇔ 255	0–100%
21	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
22	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
23	Strobe 3	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
24	Red 4	000 ⇔ 255	0–100%
25	Green 4	000 ⇔ 255	0–100%
26	Blue 4	000 ⇔ 255	0–100%
27	Amber 4	000 ⇔ 255	0–100%
28	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
29	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
30	Strobe 4	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
31	Red 5	000 ⇔ 255	0–100%
32	Green 5	000 ⇔ 255	0–100%
33	Blue 5	000 ⇔ 255	0–100%
34	Amber 5	000 ⇔ 255	0–100%
35	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
36	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
37	Strobe 5	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
38	Red 6	000 ⇔ 255	0–100%
39	Green 6	000 ⇔ 255	0–100%
40	Blue 6	000 ⇔ 255	0–100%
41	Amber 6	000 ⇔ 255	0–100%
42	Virtual Color Wheel 6	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
43	Color Temperature 6	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
44	Strobe 6	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

Channel	Function	Value	Percent/Setting
45	Red 7	000 ⇔ 255	0–100%
46	Green 7	000 ⇔ 255	0–100%
47	Blue 7	000 ⇔ 255	0–100%
48	Amber 7	000 ⇔ 255	0–100%
49	Virtual Color Wheel 7	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
50	Color Temperature 7	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
51	Strobe 7	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
52	Red 8	000 ⇔ 255	0–100%
53	Green 8	000 ⇔ 255	0–100%
54	Blue 8	000 ⇔ 255	0–100%
55	Amber 8	000 ⇔ 255	0–100%
56	Virtual Color Wheel 8	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
57	Color Temperature 8	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
58	Strobe 8	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
59	Red 9	000 ⇔ 255	0–100%
60	Green 9	000 ⇔ 255	0–100%
61	Blue 9	000 ⇔ 255	0–100%
62	Amber 9	000 ⇔ 255	0–100%
63	Virtual Color Wheel 9	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
64	Color Temperature 9	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
65	Strobe 9	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
66	Red 10	000 ⇔ 255	0–100%
67	Green 10	000 ⇔ 255	0–100%
68	Blue 10	000 ⇔ 255	0–100%
69	Amber 10	000 ⇔ 255	0–100%
70	Virtual Color Wheel 10	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
71	Color Temperature 10	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
72	Strobe 10	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
73	Strobe All	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

10-Cell RGB EXT 63CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
6	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
7	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
8	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Red 2	000 ⇔ 255	0–100%
10	Green 2	000 ⇔ 255	0–100%
11	Blue 2	000 ⇔ 255	0–100%
12	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
13	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
14	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
15	Red 3	000 ⇔ 255	0–100%
16	Green 3	000 ⇔ 255	0–100%
17	Blue 3	000 ⇔ 255	0–100%
18	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
19	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
20	Strobe 3	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
21	Red 4	000 ⇔ 255	0–100%
22	Green 4	000 ⇔ 255	0–100%
23	Blue 4	000 ⇔ 255	0–100%
24	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
25	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
26	Strobe 4	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
27	Red 5	000 ⇔ 255	0–100%
28	Green 5	000 ⇔ 255	0–100%
29	Blue 5	000 ⇔ 255	0–100%
30	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
31	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
32	Strobe 5	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
33	Red 6	000 ⇔ 255	0–100%
34	Green 6	000 ⇔ 255	0–100%
35	Blue 6	000 ⇔ 255	0–100%
36	Virtual Color Wheel 6	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
37	Color Temperature 6	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
38	Strobe 6	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

Channel	Function	Value	Percent/Setting
39	Red 7	000 ⇔ 255	0–100%
40	Green 7	000 ⇔ 255	0–100%
41	Blue 7	000 ⇔ 255	0–100%
42	Virtual Color Wheel 7	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
43	Color Temperature 7	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
44	Strobe 7	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
45	Red 8	000 ⇔ 255	0–100%
46	Green 8	000 ⇔ 255	0–100%
47	Blue 8	000 ⇔ 255	0–100%
48	Virtual Color Wheel 8	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
49	Color Temperature 8	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
50	Strobe 8	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
51	Red 9	000 ⇔ 255	0–100%
52	Green 9	000 ⇔ 255	0–100%
53	Blue 9	000 ⇔ 255	0–100%
54	Virtual Color Wheel 9	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
55	Color Temperature 9	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
56	Strobe 9	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
57	Red 10	000 ⇔ 255	0–100%
58	Green 10	000 ⇔ 255	0–100%
59	Blue 10	000 ⇔ 255	0–100%
60	Virtual Color Wheel 10	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
61	Color Temperature 10	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
62	Strobe 10	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
63	Strobe All	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

10-Cell RGBAL 50CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Amber 1	000 ⇔ 255	0–100%
5	Lime 1	000 ⇔ 255	0–100%
6	Red 2	000 ⇔ 255	0–100%
7	Green 2	000 ⇔ 255	0–100%
8	Blue 2	000 ⇔ 255	0–100%
9	Amber 2	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
10	Lime 2	000 ⇔ 255	0–100%
11	Red 3	000 ⇔ 255	0–100%
12	Green 3	000 ⇔ 255	0–100%
13	Blue 3	000 ⇔ 255	0–100%
14	Amber 3	000 ⇔ 255	0–100%
15	Lime 3	000 ⇔ 255	0–100%
16	Red 4	000 ⇔ 255	0–100%
17	Green 4	000 ⇔ 255	0–100%
18	Blue 4	000 ⇔ 255	0–100%
19	Amber 4	000 ⇔ 255	0–100%
20	Lime 4	000 ⇔ 255	0–100%
21	Red 5	000 ⇔ 255	0–100%
22	Green 5	000 ⇔ 255	0–100%
23	Blue 5	000 ⇔ 255	0–100%
24	Amber 5	000 ⇔ 255	0–100%
25	Lime 5	000 ⇔ 255	0–100%
26	Red 6	000 ⇔ 255	0–100%
27	Green 6	000 ⇔ 255	0–100%
28	Blue 6	000 ⇔ 255	0–100%
29	Amber 6	000 ⇔ 255	0–100%
30	Lime 6	000 ⇔ 255	0–100%
31	Red 7	000 ⇔ 255	0–100%
32	Green 7	000 ⇔ 255	0–100%
33	Blue 7	000 ⇔ 255	0–100%
34	Amber 7	000 ⇔ 255	0–100%
35	Lime 7	000 ⇔ 255	0–100%
36	Red 8	000 ⇔ 255	0–100%
37	Green 8	000 ⇔ 255	0–100%
38	Blue 8	000 ⇔ 255	0–100%
39	Amber 8	000 ⇔ 255	0–100%
40	Lime 8	000 ⇔ 255	0–100%
41	Red 9	000 ⇔ 255	0–100%
42	Green 9	000 ⇔ 255	0–100%
43	Blue 9	000 ⇔ 255	0–100%
44	Amber 9	000 ⇔ 255	0–100%
45	Lime 9	000 ⇔ 255	0–100%
46	Red 10	000 ⇔ 255	0–100%
47	Green 10	000 ⇔ 255	0–100%
48	Blue 10	000 ⇔ 255	0–100%
49	Amber 10	000 ⇔ 255	0–100%
50	Lime 10	000 ⇔ 255	0–100%

10-Cell RGBA 40CH

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

10-Cell RGB 30CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Red 2	000 ⇔ 255	0–100%
5	Green 2	000 ⇔ 255	0–100%
6	Blue 2	000 ⇔ 255	0–100%
7	Red 3	000 ⇔ 255	0–100%
8	Green 3	000 ⇔ 255	0–100%
9	Blue 3	000 ⇔ 255	0–100%
10	Red 4	000 ⇔ 255	0–100%
11	Green 4	000 ⇔ 255	0–100%
12	Blue 4	000 ⇔ 255	0–100%
13	Red 5	000 ⇔ 255	0–100%
14	Green 5	000 ⇔ 255	0–100%
15	Blue 5	000 ⇔ 255	0–100%
16	Red 6	000 ⇔ 255	0–100%
17	Green 6	000 ⇔ 255	0–100%
18	Blue 6	000 ⇔ 255	0–100%
19	Red 7	000 ⇔ 255	0–100%
20	Green 7	000 ⇔ 255	0–100%
21	Blue 7	000 ⇔ 255	0–100%
22	Red 8	000 ⇔ 255	0–100%
23	Green 8	000 ⇔ 255	0–100%
24	Blue 8	000 ⇔ 255	0–100%
25	Red 9	000 ⇔ 255	0–100%
26	Green 9	000 ⇔ 255	0–100%
27	Blue 9	000 ⇔ 255	0–100%
28	Red 10	000 ⇔ 255	0–100%
29	Green 10	000 ⇔ 255	0–100%
30	Blue 10	000 ⇔ 255	0–100%

10-Cell HSV 30CH

Channel	Function	Value	Percent/Setting
1	Hue 1	000 ⇔ 255	0–100%
2	Saturation 1	000 ⇔ 255	0–100%
3	Value 1	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	Hue 3	000 ⇔ 255	0–100%
8	Saturation 3	000 ⇔ 255	0–100%
9	Value 3	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%

Channel	Function	Value	Percent/Setting
13	Hue 5	000 ⇔ 255	0–100%
14	Saturation 5	000 ⇔ 255	0–100%
15	Value 5	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	Hue 7	000 ⇔ 255	0–100%
20	Saturation 7	000 ⇔ 255	0–100%
21	Value 7	000 ⇔ 255	0–100%
22	Hue 8	000 ⇔ 255	0–100%
23	Saturation 8	000 ⇔ 255	0–100%
24	Value 8	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	Hue 10	000 ⇔ 255	0–100%
29	Saturation 10	000 ⇔ 255	0–100%
30	Value 10	000 ⇔ 255	0–100%

5-Cell Personalities

5-Cell RGBAL FULL 70CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Red Fine 1	000 ⇔ 255	0–100%
5	Green 1	000 ⇔ 255	0–100%
6	Green Fine 1	000 ⇔ 255	0–100%
7	Blue 1	000 ⇔ 255	0–100%
8	Blue Fine 1	000 ⇔ 255	0–100%
9	Amber 1	000 ⇔ 255	0–100%
10	Amber Fine 1	000 ⇔ 255	0–100%
11	Lime 1	000 ⇔ 255	0–100%
12	Lime Fine 1	000 ⇔ 255	0–100%
13	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
14	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
15	Strobe 1	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
16	Red 2	000 ⇔ 255	0–100%
17	Red Fine 2	000 ⇔ 255	0–100%
18	Green 2	000 ⇔ 255	0–100%
19	Green Fine 2	000 ⇔ 255	0–100%
20	Blue 2	000 ⇔ 255	0–100%
21	Blue Fine 2	000 ⇔ 255	0–100%
22	Amber 2	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
23	Amber Fine 2	000 ⇔ 255	0–100%
24	Lime 2	000 ⇔ 255	0–100%
25	Lime Fine 2	000 ⇔ 255	0–100%
26	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
27	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
28	Strobe 2	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
29	Red 3	000 ⇔ 255	0–100%
30	Red Fine 3	000 ⇔ 255	0–100%
31	Green 3	000 ⇔ 255	0–100%
32	Green Fine 3	000 ⇔ 255	0–100%
33	Blue 3	000 ⇔ 255	0–100%
34	Blue Fine 3	000 ⇔ 255	0–100%
35	Amber 3	000 ⇔ 255	0–100%
36	Amber Fine 3	000 ⇔ 255	0–100%
37	Lime 3	000 ⇔ 255	0–100%
38	Lime Fine 3	000 ⇔ 255	0–100%
39	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
40	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
41	Strobe 3	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
42	Red 4	000 ⇔ 255	0–100%
43	Red Fine 4	000 ⇔ 255	0–100%
44	Green 4	000 ⇔ 255	0–100%
45	Green Fine 4	000 ⇔ 255	0–100%
46	Blue 4	000 ⇔ 255	0–100%
47	Blue Fine 4	000 ⇔ 255	0–100%
48	Amber 4	000 ⇔ 255	0–100%
49	Amber Fine 4	000 ⇔ 255	0–100%
50	Lime 4	000 ⇔ 255	0–100%
51	Lime Fine 4	000 ⇔ 255	0–100%
52	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
53	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
54	Strobe 4	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
55	Red 5	000 ⇔ 255	0–100%
56	Red Fine 5	000 ⇔ 255	0–100%
57	Green 5	000 ⇔ 255	0–100%
58	Green Fine 5	000 ⇔ 255	0–100%
59	Blue 5	000 ⇔ 255	0–100%
60	Blue Fine 5	000 ⇔ 255	0–100%
61	Amber 5	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
62	Amber Fine 5	000 ⇔ 255	0–100%
63	Lime 5	000 ⇔ 255	0–100%
64	Lime Fine 5	000 ⇔ 255	0–100%
65	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
66	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
67	Strobe 5	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
68	Strobe All	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
69	Color Macros	000 ⇔ 015 016 ⇔ 255	No function Color macros
70	Dimmer Speed	000 ⇔ 051 052⇔ 101 102 ⇔ 152 153 ⇔ 203 204 ⇔ 255	Preset dimmer speed from display menu Dimmer speed mode off Dimmer speed mode 1 (fastest) Dimmer speed mode 2 Dimmer speed mode 3 (slowest)

5-Cell RGBAL Fine 50CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Red Fine 1	000 ⇔ 255	0–100%
3	Green 1	000 ⇔ 255	0–100%
4	Green Fine 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Blue Fine 1	000 ⇔ 255	0–100%
7	Amber 1	000 ⇔ 255	0–100%
8	Amber Fine 1	000 ⇔ 255	0–100%
9	Lime 1	000 ⇔ 255	0–100%
10	Lime Fine 1	000 ⇔ 255	0–100%
11	Red 2	000 ⇔ 255	0–100%
12	Red Fine 2	000 ⇔ 255	0–100%
13	Green 2	000 ⇔ 255	0–100%
14	Green Fine 2	000 ⇔ 255	0–100%
15	Blue 2	000 ⇔ 255	0–100%
16	Blue Fine 2	000 ⇔ 255	0–100%
17	Amber 2	000 ⇔ 255	0–100%
18	Amber Fine 2	000 ⇔ 255	0–100%
19	Lime 2	000 ⇔ 255	0–100%
20	Lime Fine 2	000 ⇔ 255	0–100%
21	Red 3	000 ⇔ 255	0–100%
22	Red Fine 3	000 ⇔ 255	0–100%
23	Green 3	000 ⇔ 255	0–100%
24	Green Fine 3	000 ⇔ 255	0–100%
25	Blue 3	000 ⇔ 255	0–100%
26	Blue Fine 3	000 ⇔ 255	0–100%
27	Amber 3	000 ⇔ 255	0–100%
28	Amber Fine 3	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
29	Lime 3	000 ⇔ 255	0–100%
30	Lime Fine 3	000 ⇔ 255	0–100%
31	Red 4	000 ⇔ 255	0–100%
32	Red Fine 4	000 ⇔ 255	0–100%
33	Green 4	000 ⇔ 255	0–100%
34	Green Fine 4	000 ⇔ 255	0–100%
35	Blue 4	000 ⇔ 255	0–100%
36	Blue Fine 4	000 ⇔ 255	0–100%
37	Amber 4	000 ⇔ 255	0–100%
38	Amber Fine 4	000 ⇔ 255	0–100%
39	Lime 4	000 ⇔ 255	0–100%
40	Lime Fine 4	000 ⇔ 255	0–100%
41	Red 5	000 ⇔ 255	0–100%
42	Red Fine 5	000 ⇔ 255	0–100%
43	Green 5	000 ⇔ 255	0–100%
44	Green Fine 5	000 ⇔ 255	0–100%
45	Blue 5	000 ⇔ 255	0–100%
46	Blue Fine 5	000 ⇔ 255	0–100%
47	Amber 5	000 ⇔ 255	0–100%
48	Amber Fine 5	000 ⇔ 255	0–100%
49	Lime 5	000 ⇔ 255	0–100%
50	Lime Fine 5	000 ⇔ 255	0–100%

5-Cell RGBAL EXT 43CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Amber 1	000 ⇔ 255	0–100%
7	Lime 1	000 ⇔ 255	0–100%
8	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
9	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
10	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
11	Red 2	000 ⇔ 255	0–100%
12	Green 2	000 ⇔ 255	0–100%
13	Blue 2	000 ⇔ 255	0–100%
14	Amber 2	000 ⇔ 255	0–100%
15	Lime 2	000 ⇔ 255	0–100%
16	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
17	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values

Channel	Function	Value	Percent/Setting
18	Strobe 2	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
19	Red 3	000 ⇔ 255	0–100%
20	Green 3	000 ⇔ 255	0–100%
21	Blue 3	000 ⇔ 255	0–100%
22	Amber 3	000 ⇔ 255	0–100%
23	Lime 3	000 ⇔ 255	0–100%
24	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
25	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
26	Strobe 3	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
27	Red 4	000 ⇔ 255	0–100%
28	Green 4	000 ⇔ 255	0–100%
29	Blue 4	000 ⇔ 255	0–100%
30	Amber 4	000 ⇔ 255	0–100%
31	Lime 4	000 ⇔ 255	0–100%
32	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
33	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
34	Strobe 4	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
35	Red 5	000 ⇔ 255	0–100%
36	Green 5	000 ⇔ 255	0–100%
37	Blue 5	000 ⇔ 255	0–100%
38	Amber 5	000 ⇔ 255	0–100%
39	Lime 5	000 ⇔ 255	0–100%
40	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
41	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
42	Strobe 5	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
43	Strobe All	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

5-Cell RGBA EXT 38CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Amber 1	000 ⇔ 255	0–100%
7	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values

Channel	Function	Value	Percent/Setting
8	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
9	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
10	Red 2	000 ⇔ 255	0–100%
11	Green 2	000 ⇔ 255	0–100%
12	Blue 2	000 ⇔ 255	0–100%
13	Amber 2	000 ⇔ 255	0–100%
14	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
15	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
16	Strobe 2	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
17	Red 3	000 ⇔ 255	0–100%
18	Green 3	000 ⇔ 255	0–100%
19	Blue 3	000 ⇔ 255	0–100%
20	Amber 3	000 ⇔ 255	0–100%
21	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
22	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
23	Strobe 3	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
24	Red 4	000 ⇔ 255	0–100%
25	Green 4	000 ⇔ 255	0–100%
26	Blue 4	000 ⇔ 255	0–100%
27	Amber 4	000 ⇔ 255	0–100%
28	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
29	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
30	Strobe 4	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
31	Red 5	000 ⇔ 255	0–100%
32	Green 5	000 ⇔ 255	0–100%
33	Blue 5	000 ⇔ 255	0–100%
34	Amber 5	000 ⇔ 255	0–100%
35	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
36	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
37	Strobe 5	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
38	Strobe All	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

5-Cell RGB EXT 33CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
7	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
8	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
9	Red 2	000 ⇔ 255	0–100%
10	Green 2	000 ⇔ 255	0–100%
11	Blue 2	000 ⇔ 255	0–100%
12	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
13	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
14	Strobe 2	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
15	Red 3	000 ⇔ 255	0–100%
16	Green 3	000 ⇔ 255	0–100%
17	Blue 3	000 ⇔ 255	0–100%
18	Virtual Color Wheel 3	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
19	Color Temperature 3	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
20	Strobe 3	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
21	Red 4	000 ⇔ 255	0–100%
22	Green 4	000 ⇔ 255	0–100%
23	Blue 4	000 ⇔ 255	0–100%
24	Virtual Color Wheel 4	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
25	Color Temperature 4	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
26	Strobe 4	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
27	Red 5	000 ⇔ 255	0–100%
28	Green 5	000 ⇔ 255	0–100%
29	Blue 5	000 ⇔ 255	0–100%
30	Virtual Color Wheel 5	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
31	Color Temperature 5	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
32	Strobe 5	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

Channel	Function	Value	Percent/Setting
33	Strobe All	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

5-Cell RGBAL 25CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Amber 1	000 ⇔ 255	0–100%
5	Lime 1	000 ⇔ 255	0–100%
6	Red 2	000 ⇔ 255	0–100%
7	Green 2	000 ⇔ 255	0–100%
8	Blue 2	000 ⇔ 255	0–100%
9	Amber 2	000 ⇔ 255	0–100%
10	Lime 2	000 ⇔ 255	0–100%
11	Red 3	000 ⇔ 255	0–100%
12	Green 3	000 ⇔ 255	0–100%
13	Blue 3	000 ⇔ 255	0–100%
14	Amber 3	000 ⇔ 255	0–100%
15	Lime 3	000 ⇔ 255	0–100%
16	Red 4	000 ⇔ 255	0–100%
17	Green 4	000 ⇔ 255	0–100%
18	Blue 4	000 ⇔ 255	0–100%
19	Amber 4	000 ⇔ 255	0–100%
20	Lime 4	000 ⇔ 255	0–100%
21	Red 5	000 ⇔ 255	0–100%
22	Green 5	000 ⇔ 255	0–100%
23	Blue 5	000 ⇔ 255	0–100%
24	Amber 5	000 ⇔ 255	0–100%
25	Lime 5	000 ⇔ 255	0–100%

5-Cell RGBA 20CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Amber 1	000 ⇔ 255	0–100%
5	Red 2	000 ⇔ 255	0–100%
6	Green 2	000 ⇔ 255	0–100%
7	Blue 2	000 ⇔ 255	0–100%
8	Amber 2	000 ⇔ 255	0–100%
9	Red 3	000 ⇔ 255	0–100%
10	Green 3	000 ⇔ 255	0–100%
11	Blue 3	000 ⇔ 255	0–100%
12	Amber 3	000 ⇔ 255	0–100%
13	Red 4	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
14	Green 4	000 ⇔ 255	0–100%
15	Blue 4	000 ⇔ 255	0–100%
16	Amber 4	000 ⇔ 255	0–100%
17	Red 5	000 ⇔ 255	0–100%
18	Green 5	000 ⇔ 255	0–100%
19	Blue 5	000 ⇔ 255	0–100%
20	Amber 5	000 ⇔ 255	0–100%

5-Cell RGB 15CH

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

5-Cell HSV 15CH (cont.)

Channel	Function	Value	Percent/Setting
1	Hue 1	000 ⇔ 255	0–100%
2	Saturation 1	000 ⇔ 255	0–100%
3	Value 1	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	Hue 3	000 ⇔ 255	0–100%
8	Saturation 3	000 ⇔ 255	0–100%
9	Value 3	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	Hue 5	000 ⇔ 255	0–100%
14	Saturation 5	000 ⇔ 255	0–100%
15	Value 5	000 ⇔ 255	0–100%

2-Cell Personalities

2-Cell RGBAL FULL 31CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Red Fine 1	000 ⇔ 255	0–100%
5	Green 1	000 ⇔ 255	0–100%
6	Green Fine 1	000 ⇔ 255	0–100%
7	Blue 1	000 ⇔ 255	0–100%
8	Blue Fine 1	000 ⇔ 255	0–100%
9	Amber 1	000 ⇔ 255	0–100%
10	Amber Fine 1	000 ⇔ 255	0–100%
11	Lime 1	000 ⇔ 255	0–100%
12	Lime Fine 1	000 ⇔ 255	0–100%
13	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
14	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
15	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
16	Red 2	000 ⇔ 255	0–100%
17	Red Fine 2	000 ⇔ 255	0–100%
18	Green 2	000 ⇔ 255	0–100%
19	Green Fine 2	000 ⇔ 255	0–100%
20	Blue 2	000 ⇔ 255	0–100%
21	Blue Fine 2	000 ⇔ 255	0–100%
22	Amber 2	000 ⇔ 255	0–100%
23	Amber Fine 2	000 ⇔ 255	0–100%
24	Lime 1	000 ⇔ 255	0–100%
25	Lime Fine 1	000 ⇔ 255	0–100%
26	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
27	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
28	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
29	Strobe All	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
30	Color Macros	000 ⇔ 015	No function
		016 ⇔ 255	Color macros

2-Cell RGBAL Fine 20CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Red Fine 1	000 ⇔ 255	0–100%
3	Green 1	000 ⇔ 255	0–100%
4	Green Fine 1	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
5	Blue 1	000 ⇔ 255	0–100%
6	Blue Fine 1	000 ⇔ 255	0–100%
7	Amber 1	000 ⇔ 255	0–100%
8	Amber Fine 1	000 ⇔ 255	0–100%
9	Lime 1	000 ⇔ 255	0–100%
10	Lime Fine 1	000 ⇔ 255	0–100%
11	Red 2	000 ⇔ 255	0–100%
12	Red Fine 2	000 ⇔ 255	0–100%
13	Green 2	000 ⇔ 255	0–100%
14	Green Fine 2	000 ⇔ 255	0–100%
15	Blue 2	000 ⇔ 255	0–100%
16	Blue Fine 2	000 ⇔ 255	0–100%
17	Amber 2	000 ⇔ 255	0–100%
18	Amber Fine 2	000 ⇔ 255	0–100%
19	Lime 2	000 ⇔ 255	0–100%
20	Lime Fine 2	000 ⇔ 255	0–100%

2-Cell RGBAL EXT 19CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Amber 1	000 ⇔ 255	0–100%
7	Lime 1	000 ⇔ 255	0–100%
8	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
9	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
10	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
11	Red 2	000 ⇔ 255	0–100%
12	Green 2	000 ⇔ 255	0–100%
13	Blue 2	000 ⇔ 255	0–100%
14	Amber 2	000 ⇔ 255	0–100%
15	Lime 2	000 ⇔ 255	0–100%
16	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
17	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
18	Strobe 2	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
19	Strobe All	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

2-Cell RGBA EXT 17CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Amber 1	000 ⇔ 255	0–100%
7	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
8	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
9	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
10	Red 2	000 ⇔ 255	0–100%
11	Green 2	000 ⇔ 255	0–100%
12	Blue 2	000 ⇔ 255	0–100%
13	Amber 2	000 ⇔ 255	0–100%
14	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
15	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
16	Strobe 2	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
17	Strobe All	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

2-Cell RGB EXT 15CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer Fine	000 ⇔ 255	0–100%
3	Red 1	000 ⇔ 255	0–100%
4	Green 1	000 ⇔ 255	0–100%
5	Blue 1	000 ⇔ 255	0–100%
6	Virtual Color Wheel 1	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
7	Color Temperature 1	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
8	Strobe 1	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
9	Red 2	000 ⇔ 255	0–100%
10	Green 2	000 ⇔ 255	0–100%
11	Blue 2	000 ⇔ 255	0–100%
12	Virtual Color Wheel 2	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
13	Color Temperature 2	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
14	Strobe 2	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

Channel	Function	Value	Percent/Setting
15	Strobe All	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

2-Cell RGBAL 10CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Amber 1	000 ⇔ 255	0–100%
5	Lime 1	000 ⇔ 255	0–100%
6	Red 2	000 ⇔ 255	0–100%
7	Green 2	000 ⇔ 255	0–100%
8	Blue 2	000 ⇔ 255	0–100%
9	Amber 2	000 ⇔ 255	0–100%
10	Lime 2	000 ⇔ 255	0–100%

2-Cell RGBA 8CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Amber 1	000 ⇔ 255	0–100%
5	Red 2	000 ⇔ 255	0–100%
6	Green 2	000 ⇔ 255	0–100%
7	Blue 2	000 ⇔ 255	0–100%
8	Amber 2	000 ⇔ 255	0–100%

2-Cell RGB 6CH

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Red 2	000 ⇔ 255	0–100%
5	Green 2	000 ⇔ 255	0–100%
6	Blue 2	000 ⇔ 255	0–100%

2-Cell HSV 6CH

Channel	Function	Value	Percent/Setting
1	Hue 1	000 ⇔ 255	0–100%
2	Saturation 1	000 ⇔ 255	0–100%
3	Value 1	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 17CH

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	Lime	000 ⇔ 255	0–100%
12	Lime Fine	000 ⇔ 255	0–100%
13	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
14	Color Temperature	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
15	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
16	Color Macros	000 ⇔ 015	No function
		016 ⇔ 255	Color macros
17	Dimmer Speed	000 ⇔ 051	Preset dimmer speed from display menu
		052⇔ 101	Dimmer speed mode off
		102 ⇔ 152	Dimmer speed mode 1 (fastest)
		153 ⇔ 203	Dimmer speed mode 2
		204 ⇔ 255	Dimmer speed mode 3 (slowest)

1-Cell RGBAL Fine 10CH

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Red Fine	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Green Fine	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Blue Fine	000 ⇔ 255	0–100%
7	Amber	000 ⇔ 255	0–100%
8	Amber Fine	000 ⇔ 255	0–100%
9	Lime	000 ⇔ 255	0–100%
10	Lime Fine	000 ⇔ 255	0–100%

1-Cell RGBAL EXT 10CH

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%

Channel	Function	Value	Percent/Setting
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Lime	000 ⇔ 255	0–100%
8	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
9	Color Temperature	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
10	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

1-Cell RGBA EXT 9CH

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	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
8	Color Temperature	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
9	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

1-Cell RGB EXT 8CH

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	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
7	Color Temperature	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values
8	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

1-Cell RGBAL 5CH

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	Lime	000 ⇔ 255	0–100%

1-Cell RGBA 4CH

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%

1-Cell RGB 3CH

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

1-Cell DMX-VCW-CCT 3CH

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart for specific values
3	Color Temperature	000 ⇔ 255	Refer to the Preset Color Temperature Chart for specific values

1-Cell HSV 3CH

Channel	Function	Value	Percent/Setting
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 Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇨005	--	000	000	000	000	000
006 ⇨013	**C3050 - Md Yellow**	150	125	002	255	043
014 ⇨021	**C3040 - Lt Yellow**	235	108	005	255	076
022 ⇨028	**C3240 - Amb Yellow**	171	036	000	120	255
029 ⇨035	**C2340 - VLt Amber**	255	015	017	255	170
036 ⇨043	**C2040 - Lt Amber**	255	000	010	255	143
044 ⇨051	**C2050 - Md Amber**	255	000	003	255	075
052 ⇨059	**C2060 - Dk Amber**	188	000	002	255	044
060 ⇨067	**C1050 - Lt Red**	255	000	002	021	002
068 ⇨075	**C1080 - Md Red**	255	000	002	000	000
076 ⇨083	**C1020 - NC Pink**	255	130	025	255	027
084 ⇨091	**C1030 - Md Pink**	255	013	041	235	182
092 ⇨099	**C1630 - Dk Pink**	255	015	027	030	255
100 ⇨107	**C1250 - Md Red Amber**	255	000	004	115	009
108 ⇨115	**C1060 - Dk Red Amber**	255	000	004	011	008
116 ⇨121	**C1650 - Magenta**	255	000	022	081	039
122 ⇨130	**C6170 - Dk Magenta**	160	000	025	000	004
131 ⇨138	**C6020 - Lt Lavender**	255	162	043	255	140
139 ⇨146	**C5030 - Lt Blue**	012	255	070	076	115
147 ⇨154	**C5020 - VLt Blue**	030	187	085	215	255
155 ⇨162	**C5430 - Lt Blue 2**	004	255	062	093	049
163 ⇨170	**C5070 - Blue**	005	255	190	003	012
171 ⇨178	**C5050 - Md Blue**	008	250	145	005	088
179 ⇨186	**C5060 - Dk Blue**	005	209	255	015	074
187 ⇨194	**C5690 - Indigo**	005	000	200	013	003
195 ⇨202	**C5080 - VDk Blue**	007	112	255	005	007
203 ⇨210	**C5081 - VDk Blue 2**	004	108	255	003	004
211 ⇨218	**C4370 - Yel Green**	004	255	000	005	003
219 ⇨226	**C4070 - Green**	027	255	006	000	020
227 ⇨234	**C4550 - Turquoise**	007	255	021	070	076
235 ⇨242	**C4560 - Aqua**	007	255	031	085	115
243 ⇨250	**C4570 - Blue Green**	002	255	017	002	020
251 ⇨255	--	000	000	000	000	000

Note: 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 Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇨005	--	000	000	000	000	000
006 ⇨025	**2800K**	255	051	018	255	255
026 ⇨050	**3200K**	179	082	025	185	220
051 ⇨075	**3500K**	255	130	033	255	240
076 ⇨100	**4000K**	255	219	045	198	255
101 ⇨125	**4500K**	140	255	055	255	255
126 ⇨150	**5000K**	107	255	063	200	255
151 ⇨175	**5600K**	082	255	072	190	230
176 ⇨200	**6000K**	074	255	078	167	255
201 ⇨225	**6500K**	065	255	084	140	255
226 ⇨255	--	000	000	000	000	000

Note: 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.

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.

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 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), **On** (fan speed will always be at maximum), or **Off** (fan will always be off).

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 **On** (remains on), **10S** (10 seconds), **20S** (20 seconds), or **30S** (seconds).

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**, **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	208 V, 60 Hz	230 V, 50 Hz
Consumption	620 W	601 W	597 W
Operating Current	5.16 A	2.98 A	2.76 A
Power linking current (products)	13.6 A (2 products)	13.6 A (3 products)	13.6 A (4 products)

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	Power	Lifespan
LED	8 W	50,000 hours

Color	Quantity	Current
Hex-color RGBAL	280	740 mA

Photometrics

Parameter	Value	Parameter	
Color Temperature Range	2800 K to 6500 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, 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, 3, 3, 4, 5, 8, 9, 10, 10, 17 2 Cell: 6, 8, 10, 15, 17, 19, 20, 31 3: Cell: 15, 20, 25, 33, 38, 43, 50, 70 10 Cell: 30, 40, 50, 63, 73, 83, 100, 135
Art-Net™	Amphenol etherCON®	
sACN		

Ordering

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

ART NET ETHERNET

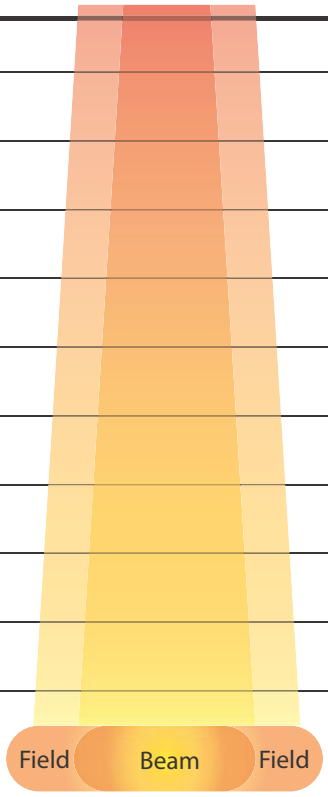
c MET us ®
UL 1573
CSA C22.2 No. 166
E113093

CE

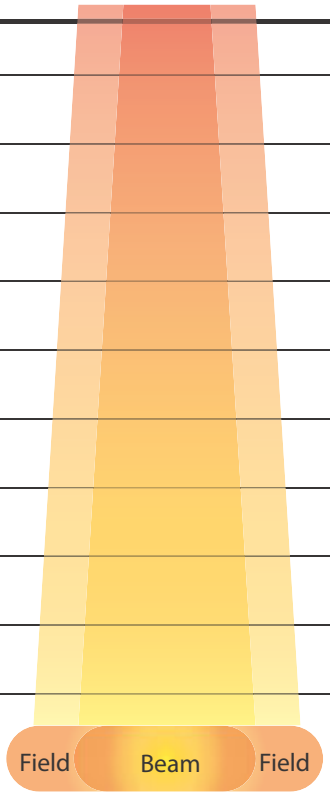
RoHS

Photometrics Chart

Distance	Beam Diameter	Field Diameter	Footcandle
15 ft	6.65 x 5.29 ft	11.52 x 10.92 ft	621
20 ft	8.87 x 7.05 ft	15.35 x 14.56 ft	349
30 ft	13.30 x 10.58 ft	23.03 x 21.84 ft	155
40 ft	17.74 x 14.11 ft	30.71 x 29.12 ft	87
50 ft	22.17 x 17.63 ft	38.39 x 36.40 ft	56
75 ft	33.25 x 26.45 ft	57.58 x 54.60 ft	25
100 ft	44.34 x 35.27 ft	76.77 x 72.79 ft	14
125 ft	55.42 x 44.08 ft	95.97 x 90.99 ft	9
150 ft	66.51 x 52.90 ft	115.16 x 109.19 ft	6



Distance	Beam Diameter	Field Diameter	Lux
1 m	0.44 x 0.35 m	0.77 x 0.73 m	139,650
2 m	0.89 x 0.71 m	1.54 x 1.46 m	34,913
5 m	2.22 x 1.76 m	3.84 x 3.64 m	5,586
8 m	3.55 x 2.82 m	6.14 x 5.82 m	2,182
10 m	4.43 x 3.53 m	7.68 x 7.28 m	1,397
15 m	6.65 x 5.29 m	11.52 x 10.92 m	621
20 m	8.87 x 7.05 m	15.35 x 14.56 m	349
25 m	11.08 x 8.82 m	19.19 x 18.20 m	223
30 m	13.30 x 10.58 m	23.03 x 21.84 m	155



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.

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

World Headquarters	
General Information	**Technical Support**
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.chauvetlighting.com

EUROPE	
General Information	**Technical Support**
Address: Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: eutech@chauvetlighting.eu **Website** www.chauvetlighting.eu
General Information	**Technical Support**
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.com **Website** www.chauvetlighting.co.uk

MEXICO	
General Information	**Technical Support**
Address: Av. de las Partidas 34, 3-B (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.chauvet.com.mx

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