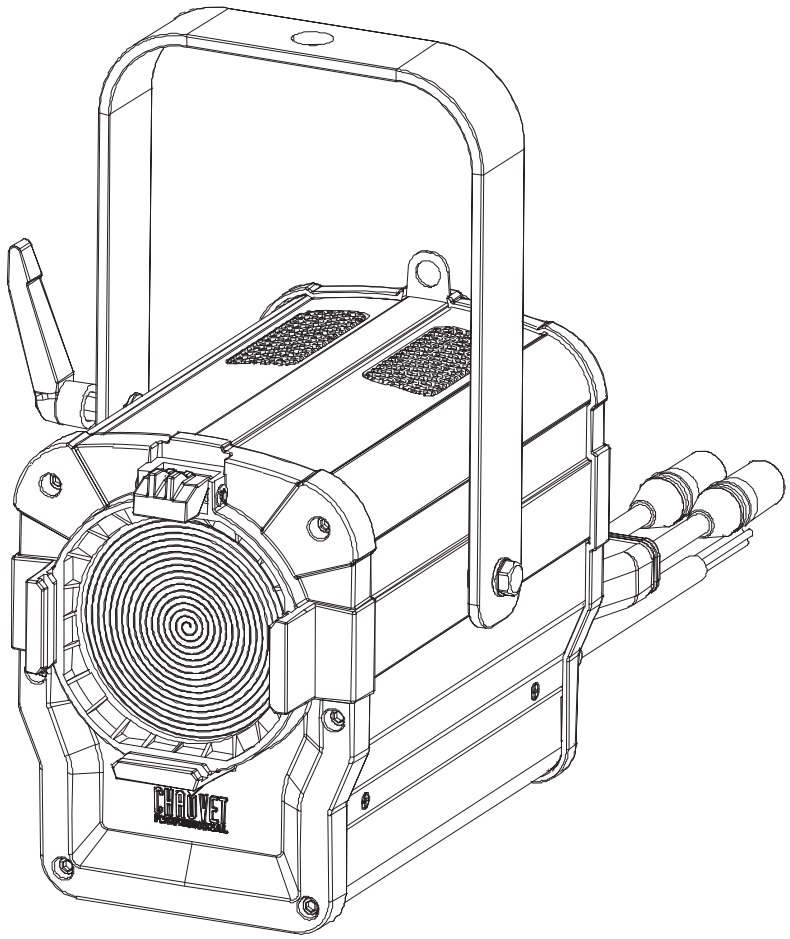
OVATION
F-55FC

User Manual



CHAUVET
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Edition Notes

The Ovation F-55FC User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Ovation F-55FC.

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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 F-55FC User Manual is the 4th edition of this document. Go to www.chauvetprofessional.com for the latest version.

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1. Before You Begin

What Is Included

- Ovation F-55FC
- Gel frame
- Quick Reference Guide

Claims

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

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

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

Manual Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
<SET>	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.

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

FCC Compliance

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

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

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

Safety Notes

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

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

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

Personal Safety

- 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

- Do not operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (IP20).
- Do not leave any flammable material within 50 cm of this product while operating or connected to power.
- CAUTION: When transferring product from extreme temperature environments, (e.g., cold truck to warm, humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- When hanging this product, always secure to a fastening device using a safety cable.
- Use only the hanging/mounting bracket to carry this product.

Power and Wiring

- Always ensure that the product is connected to proper voltage in accordance with the specifications in this manual or on the product's specification label.
- Never connect the product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this product if 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.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- In the event of a serious operation problem, stop using this product immediately!

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

Expected LED Lifespan

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

2. Introduction

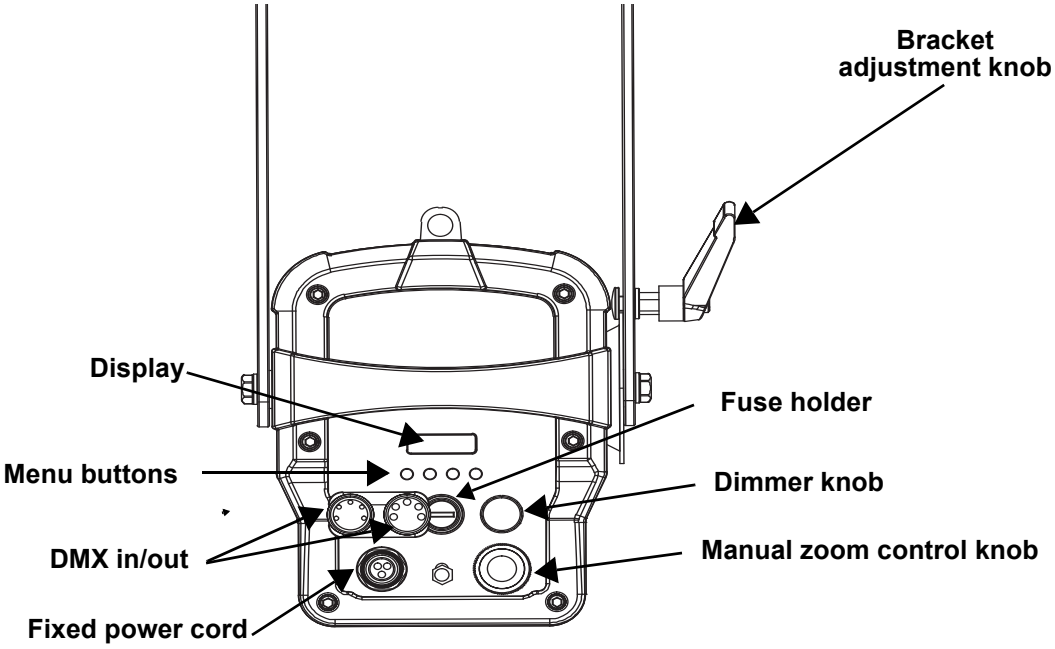
Description

The Ovation F-55FC is a full-color RGBAL inkie Fresnel-style fixture. The virtual color wheel and color temperature presets are shared from Chauvet's other full-color Ovation fixtures. A manual zoom with a 32° to 87° field angle allows the product to have a soft field of light when needed.

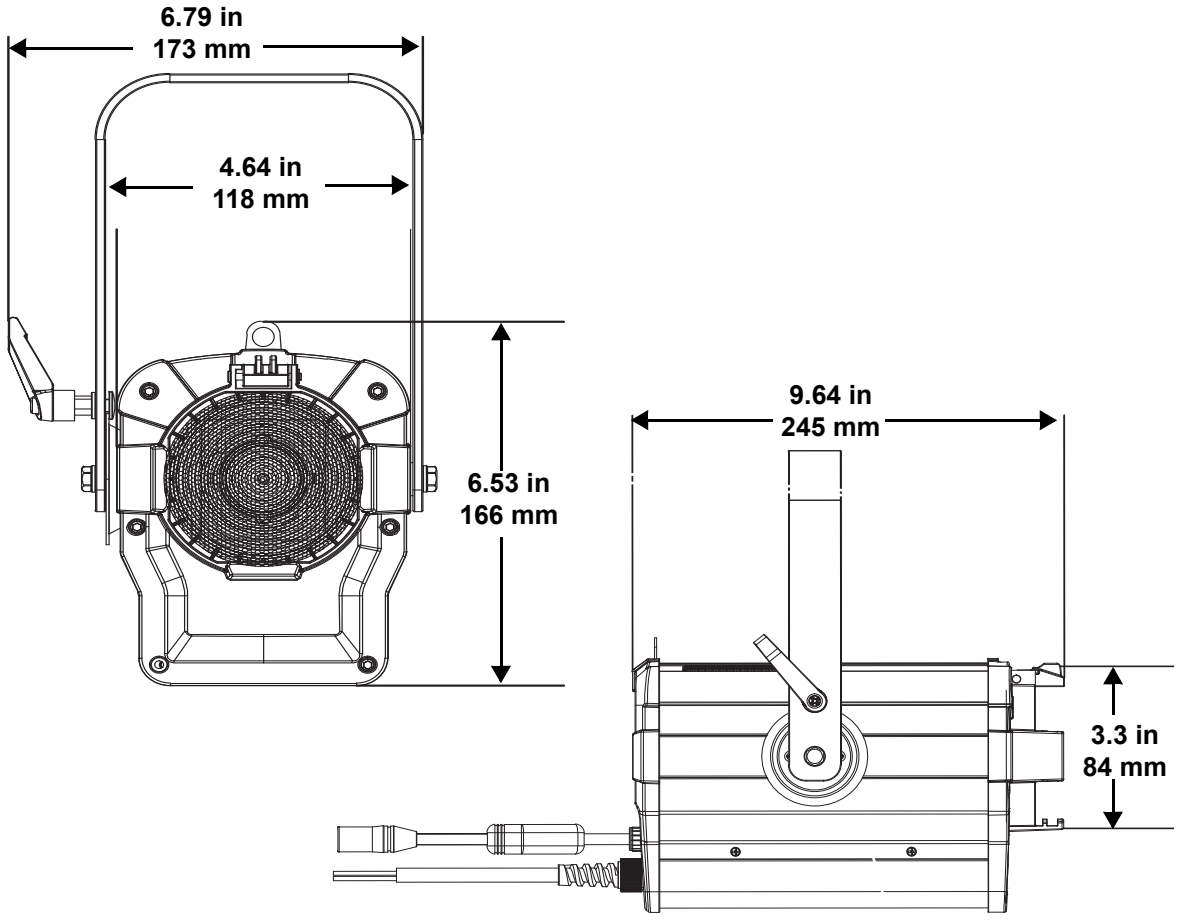
Features

- Operating modes:
  - 1-channel: dimmer
  - 3-channel: dimmer, virtual color wheel, color temperature
  - 5-channel: RGBAL
  - 7-channel: dimmer, RGBAL, strobe
  - 10-channel: 16-bit dimmer, RGBAL, virtual color wheel, color temperature, strobe
  - 12-channel: dimmer, RGBAL, virtual color wheel, color temperature, strobe, auto program, auto speed, control
  - 13-channel: dimmer, 16-bit RGBAL, 16-bit dimmer, strobe
  - 16-channel: 16-bit dimmer, 16-bit RGBAL, virtual color wheel, color temperature, strobe, control
  - HSV: hue, saturation, value
- Compact, full-color Fresnel for tight spaces and on-location lighting
- Soft and even field of light
- 16-bit dimming resolution for smooth fades
- Virtually silent operation for use in any situation
- Manually controlled variable zoom angle between 32° and 87°

Product Overview



Product Dimensions



3. Setup

AC Power

Each Ovation F-55FC 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 F-55FC, refer to the label affixed to the product or 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 (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

AC Plug

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

Fuse Replacement

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

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

DMX Linking

The Ovation F-55FC can be linked to a DMX controller using a 5-pin DMX connection. If using other DMX-compatible products with this product, it is possible to control each individually with a single DMX controller.

DMX Personalities

The Ovation F-55FC uses a 5-pin DMX data connection for the **1Ch**, **3Ch**, **5Ch**, **7Ch**, **10Ch**, **12Ch**, **13Ch**, **16Ch**, and **HSV** DMX personalities.

- Refer to the Introduction for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the Ovation F-55FC to work in these personalities.
- The DMX Values section provides detailed information regarding the DMX personalities.

For information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

Remote Device Management (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 F-55FC supports RDM protocol that allows feedback to make changes to menu map options.

Master/Slave Connectivity

The Master/Slave mode allows an Ovation F-55FC (the master) to control one or more Ovation F-55FC products (the slaves) without a DMX controller. One Ovation F-55FC becomes the master when running an auto or custom program, or by being in a Static mode.

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

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

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

Mounting

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

Orientation

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

Rigging

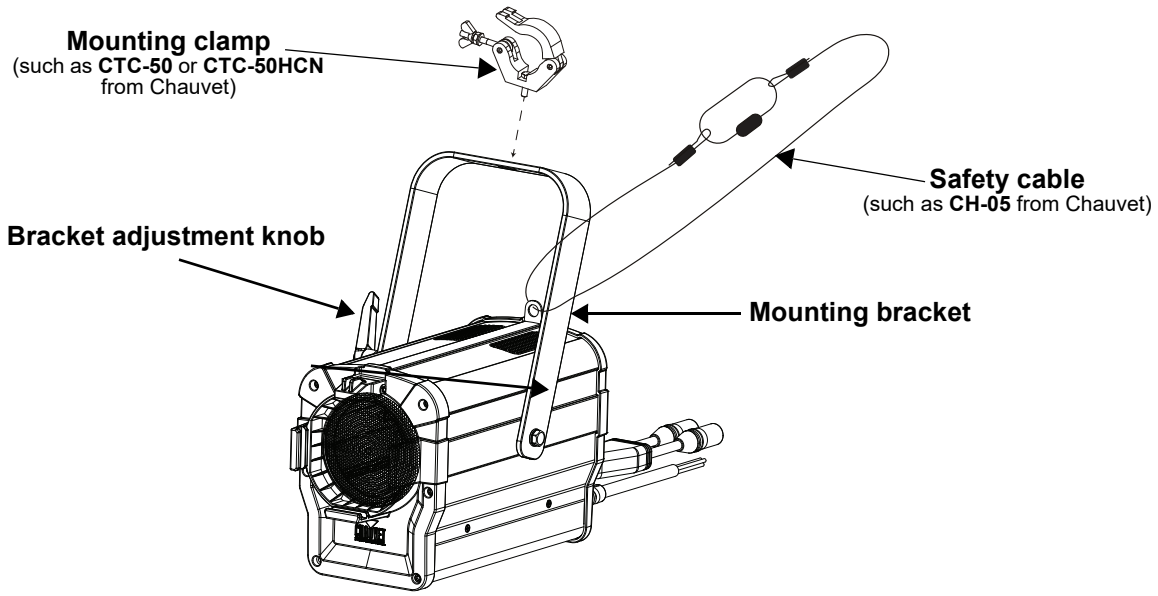
Chauvet recommends using the following general guidelines when mounting this product:

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure onto which the product will be mounted can support the product's weight. See the 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 F-55FC comes with a double-bracketed yoke that can be used as a floor stand or to which mounting clamps can be attached for hanging. Mounting clamps must be purchased separately. Ensure that the clamps can support the weight of this product. Use at least one mounting point per product where necessary.

Mounting Diagram



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

Control Options

Set the Ovation F-55FC starting address in the 001-512 DMX range.

Programming

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

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

Configuration (DMX)

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

DMX Personalities

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

1. Go to the **DMX Channel** main level.
2. Select the desired personality (**1Ch, 3Ch, 5Ch, 7Ch, 10Ch, 12Ch, 13Ch, 16Ch,** and **HSV**).

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

Starting Address

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

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

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

DMX Personality	DMX Address	DMX Personality	DMX Address
1Ch	**512**	**12Ch**	**501**
3Ch	**510**	**13Ch**	**500**
5Ch	**508**	**16Ch**	**497**
7Ch	**506**	**HSV**	**510**
10Ch	**503**		

Menu Map

Main Level	Programming Levels				Description
DMX Address	**Address**		**001–512***		Selects DMX address (highest channel restricted to personality chosen)
DMX Channel	**1Ch**		**Virtual Color Wheel**		1-channel: dimmer
			Color Temperature		
			Manual Color Mixer		
	3Ch				3-channel: dimmer, virtual color wheel, color temperature
	5Ch				5-channel: RGBAL
	7Ch				7-channel: dimmer, RGBAL,
	10Ch				10-channel: 16-bit dimmer, RGBAL, virtual color wheel, color temperature, strobe
	12Ch				12-channel: dimmer, RGBAL, virtual color wheel, color temperature, strobe, auto program, auto speed, control
	13Ch				13-channel: 16-bit dimmer, 16-bit RGBAL, strobe
	16Ch				16-channel: 16-bit dimmer, 16-bit RGBAL, virtual color wheel, color temperature, strobe, control
	HSV				3-channel: hue, saturation, value
Virtual Color Wheel	**Virtual Color Wheel**	**C3050 - Md Yellow**		**Dimmer 0–255**	Virtual Color Wheel simulates the output of each gel color. Refer to the Virtual Color Wheel Chart 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			

Main Level	Programming Levels			Description
Virtual Color Wheel	Color Temperature	2800K	Dimmer 0–255	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the Color Temperature Chart for specific values.
		3000K		
		3200K		
		3500K		
		4000K		
		4500K		
		5000K		
		5600K		
		6000K		
		6500K		
	Manual Color Mixer	Red	0–255	Combines red, green, blue, amber, and lime to make a custom color (0–100%)
		Green		
		Blue		
		Amber		
		Lime		
Auto Show	Auto 1–5	1–100		Selects automatic programs and auto program speed
Red Shift	On			Mimics halogen lamp dimming
	Off			
Master/ Slave	Master			Receives DMX signal from the DMX controller (master)
	Slave			Receives DMX signal from the master unit
Dimmer Curve	SCurve			Sets the dimmer curve
	Linear			
	Square			
	Inverse Square			
Dimmer Mode	Off			Linear dimmer
	Dimmer 1–3			Dimming curves, from fast (**Dimmer 1**) to slow (**Dimmer 3**)
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			Sets the PWM frequency
	1200Hz			
	2000Hz			
	4000Hz			
	6000Hz			
	25KHz			
Back Light	10S			Turns off display backlight after 10 seconds of inactivity
	30S			Turns off backlight after 30 seconds
	2Min			Turns off backlight after 2 minutes
	Always On			Display backlight remains on
Information	Fixture Hours	_ _ _ _H		Shows total hours the product has been powered on
	LED Hours	_ _ _ _H		Shows total hours the LED has been powered on
	Version	V_._		Shows current firmware version
	UID	_ _ _ _ _ _ _ _ _ _ _ _		Shows product UID
Reset Factory	No			Resets the product to factory default settings
	Yes			

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 (**0–255**).

Color Temperature

To select a color temperature, do the following:

1. Go to the **Static** main level.
2. Select **Color Temperature**.
3. Select the desired color temperature (see Configuration (Standalone)).
4. Select the desired output level (**0–255**).

Manual Color Mixer

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

1. Go to the **Static** 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 (**0–255**).
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 **Auto Show** main level.
2. Select the desired auto program (**Auto 1–5**).
3. Select the desired speed (**1–100**).

Red Shift

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

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

Master/Slave

The Master/Slave mode allows a group of Ovation F-55FC products (the slaves) to simultaneously duplicate the output of another Ovation F-55FC (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 a static setting.

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

Dimmer Curve

To set the dimmer curve, follow the instructions below:

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

Dimmer Profiles

This setting determines how fast the output of the Ovation F-55FC changes when the output value is modified. It provides four different options to simulate the dimming curve of an incandescent lighting product. To select a specific dimmer profile, do the following:

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, **Dimmer 1** 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 Green**).
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 F-55FC. To do so, follow the instructions below:

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

Back Light

This setting allows for selection of the amount of time the backlight on the Ovation F-55FC's display stays on after the last button is pressed on the control panel.

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

System Information

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

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

Factory Reset

This option restores the Ovation F-55FC to factory default settings.

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

Virtual Color Wheel (VCW)

The Ovation F-55FC includes a feature called the Virtual Color Wheel (VCW). This feature is available as a standalone control mode for manual use and as a control channel in select DMX personalities. More than 30 premixed colors, custom blended by Chauvet engineers, are available to call up for easier programming. The DMX values used to mix these colors are provided below. The overall intensity of the Ovation fixture can be adjusted to more closely replicate familiar industry-standard colors. A chart is available at www.chauvetprofessional.com to compare Chauvet's premixed colors with popular gel colors. This chart is for comparison purposes only and is not an assertion that Chauvet's premixed colors match any of the gel colors listed.

Virtual Color Wheel Chart

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

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

Color Temperature Chart

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**	195	177	154	255	255
026 ⇔ 050	**3000K**	191	186	161	255	255
051 ⇔ 075	**3200K**	186	195	169	255	255
076 ⇔ 100	**3500K**	181	205	179	255	255
101 ⇔ 125	**4000K**	175	221	192	255	255
126 ⇔ 150	**4500K**	169	231	204	255	255
151 ⇔ 175	**5000K**	163	239	213	255	255
176 ⇔ 200	**5600K**	157	247	223	255	255
201 ⇔ 225	**6000K**	154	251	230	255	255
226 ⇔ 250	**6500K**	153	255	238	255	255
251 ⇔ 255	--	000	000	000	000	000

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

DMX Values

HSV

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

16Ch

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	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
14	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
15	Color temperature	000 ⇔ 255	Refer to Color Temperature Chart
16	Control (hold for 3 seconds)	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 255	No function Dimmer reset Red shift on Red shift off S-curve dimmer Linear dimmer Square dimmer curve Inverse square dimmer curve Dimmer speed mode OFF Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 (slowest) Reserved for future use

13Ch

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	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

12Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Blue	000 ⇔ 255	0–100%
5	Amber	000 ⇔ 255	0–100%
6	Lime	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
8	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
9	Color temperature	000 ⇔ 255	Refer to Color Temperature Chart
10	Auto programs	000 ⇔ 010 011 ⇔ 060 061 ⇔ 110 111 ⇔ 160 161 ⇔ 210 211 ⇔ 255	No function Auto program 1 Auto program 2 Auto program 3 Auto program 4 Auto program 5
11	Auto speed	000 ⇔ 255	0–100%
12	Control (hold for 3 seconds)	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 255	No function Dimmer reset Red shift on Red shift off S-curve dimmer Linear dimmer Square dimmer curve Inverse square dimmer curve Dimmer speed mode OFF Dimmer speed 1 (fastest) Dimmer speed 2 Dimmer speed 3 (slowest) Reserved for future use

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%
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Lime	000 ⇔ 255	0–100%
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
10	Color temperature	000 ⇔ 255	Refer to Color Temperature Chart

7Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Blue	000 ⇔ 255	0–100%
5	Amber	000 ⇔ 255	0–100%
6	Lime	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

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%

3Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual color wheel	000 ⇔ 255	Refer to Virtual Color Wheel Chart
3	Color temperature	000 ⇔ 255	Refer to Color Temperature Chart

1Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100% (color set through display menu)

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.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
9.64 in (245 mm)	4.64 in (118 mm)	6.53 in (166 mm)	5.4 lb (2.4 kg)

Note: Dimensions in inches rounded to the nearest hundredth.

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	44 W	28 W	29 W
Operating Current	0.357 A	0.130 A	0.121 A

Power I/O	U.S./Canada	Worldwide
Power input connector	Fixed	Neutrik® powerCON®
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Red Green Blue Amber Lime	3 3 3 3 3	3–4 W	700 mA	50,000 hours

Photometrics

Parameter	Narrow Zoom	Wide Zoom
Beam Angle	18°	67°
Field Angle	32°	87°
Zoom Angle	32°	87°
Lumens	114	462
Illuminance @ 5 m	36 lux	18 lux

Thermal

Maximum External Temperature	Cooling System
113 °F (45 °C)	Convection

DMX

I/O Connector	Channel Range
5-pin XLR	1, 3, 5, 7 10, 12, 13 or 16

Ordering

Product Name	Item Name	Item Code	UPC Number
Ovation F-55FC	OVATIONF55FC	03031384	781462217327

UL 1573
CSA C22.2 No. 166
E113093

Returns

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

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

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

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

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

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

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

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

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

Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet Europe Ltd	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
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Chauvet Mexico	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetprofessional.mx

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