FREEDOM™ STRIP® HEX-4

User Manual

CHAUVET DJ®

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1. BEFORE YOU BEGIN

What Is Included

- Freedom™ Strip Hex-4
- Power Cord
- 2 L-Brackets for mounting
- IRC-6
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

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

Claims

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, 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.

Text Conventions

Convention	Meaning
1—512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
Menu > Settings	A sequence of menu options to be followed
<ENTER>	A key to be pressed on the product's control panel
ON	A value to be entered or selected

Symbols

Symbol	Meaning
⚠	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.

Disclaimer

The information and specifications contained in this document are subject to change without notice. Chauvet assumes no responsibility or liability for any errors or omissions that may appear in this manual. Chauvet reserves the right to update the existing document or to create a new document to correct any errors or omissions.

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Author	Date	Editor	Updated
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Product at a Glance	Use on Dimmer	✖	Auto Programs	P
	Outdoor Use	✖	Auto-ranging Power Supply	P
	Sound-Active	P	Replaceable Fuse	P
	DMX	P	User-Serviceable	✖
	Master/Slave	P		

Safety Notes

Please read the following Safety Notes carefully before working with the product. The Notes include important safety information about installation, usage, and maintenance.

⚠

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power cord by pulling or tugging on the cord.
- If mounting the product overhead, make sure there is adequate support for the product's weight and always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.

ⓘ

- The product is not intended for permanent installation.
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord. Always use the hanging/mounting bracket.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- 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.

📝

Keep this User Manual for future use. If you sell the product to someone else, be sure that they also receive this document.

2. INTRODUCTION

Product Overview

Back Panel View

Display
Charging Indicator LEDs
Mounting Hole (M12)
On/Off Switch
Fuse Holder

Safety Loop
Microphone
Menu Buttons
D-Fi™ AUTO Sync/Clear Button
DMX In/Out
Power In/Out

Front View

IR Sensor

Lenses

Product Dimensions

6.8 in
173 mm

19.7 in
500 mm

3.3 in
82 mm
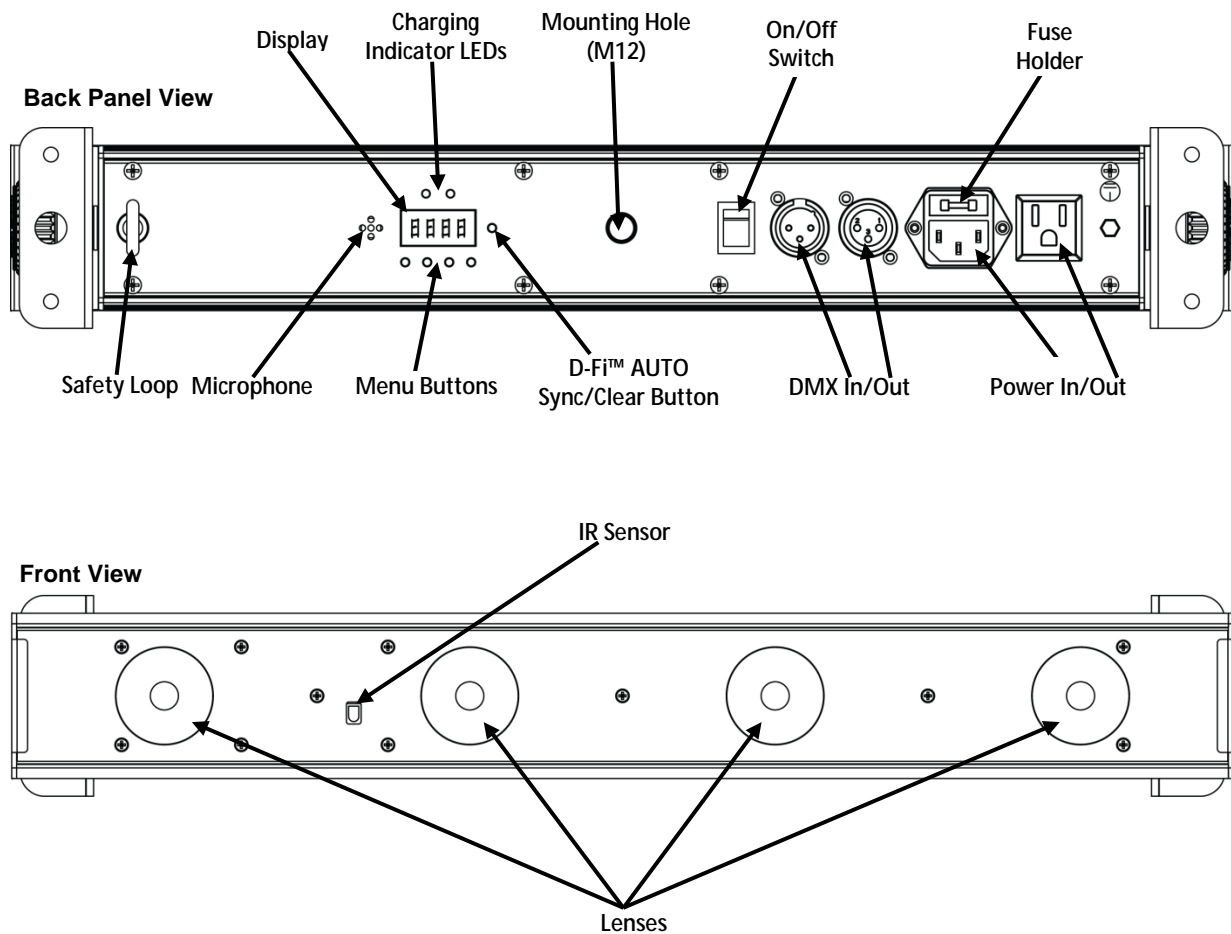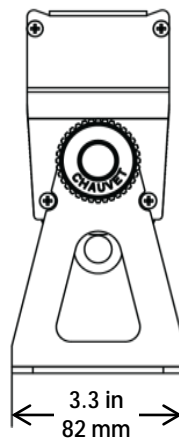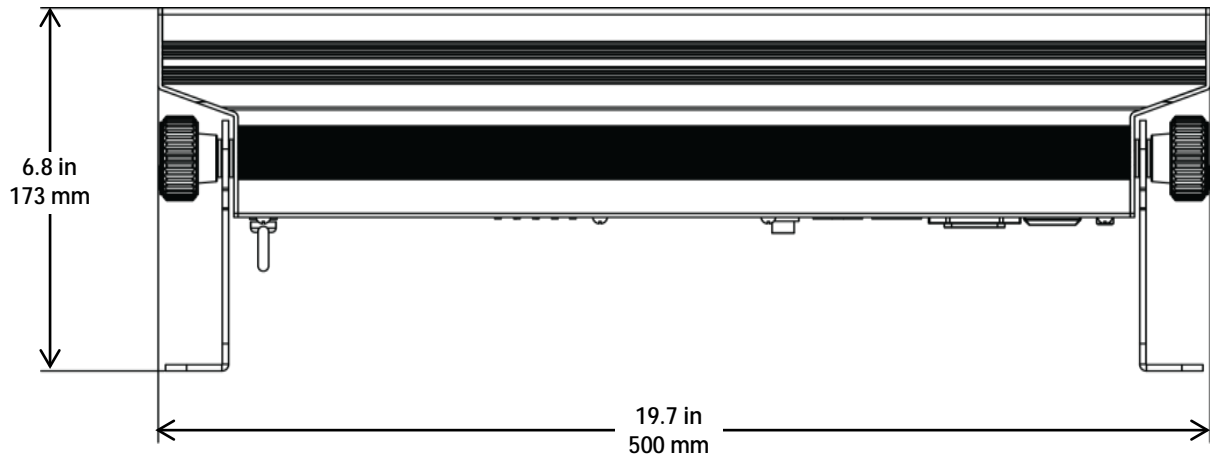
3. SETUP

AC Power

The Freedom™ Strip Hex-4 has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

⚠
- **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 wear and improve its lifespan, during periods of non-use completely disconnect 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.**

Fuse Replacement

1. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
2. Pry the fuse holder out of the housing.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Insert the fuse holder back in place and reconnect power.

Installed fuse
(held by plastic clip)

Safety cap

Spare fuse holder
(inside safety cap)
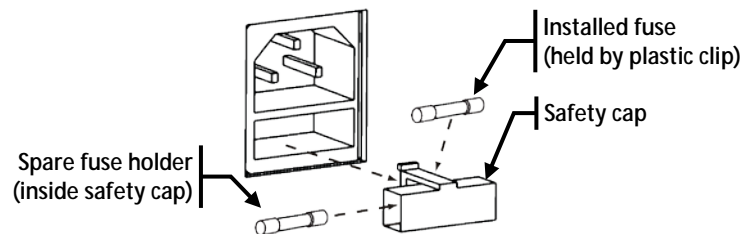
⚠ **Disconnect the product from the power outlet before replacing the fuse.**

Power Linking The product provides power linking via the Edison outlet located in the back of the product. Please see the diagram below for further explanation.

Power Linking Diagram

1st Product

2nd Product

3rd Product

Additional Products
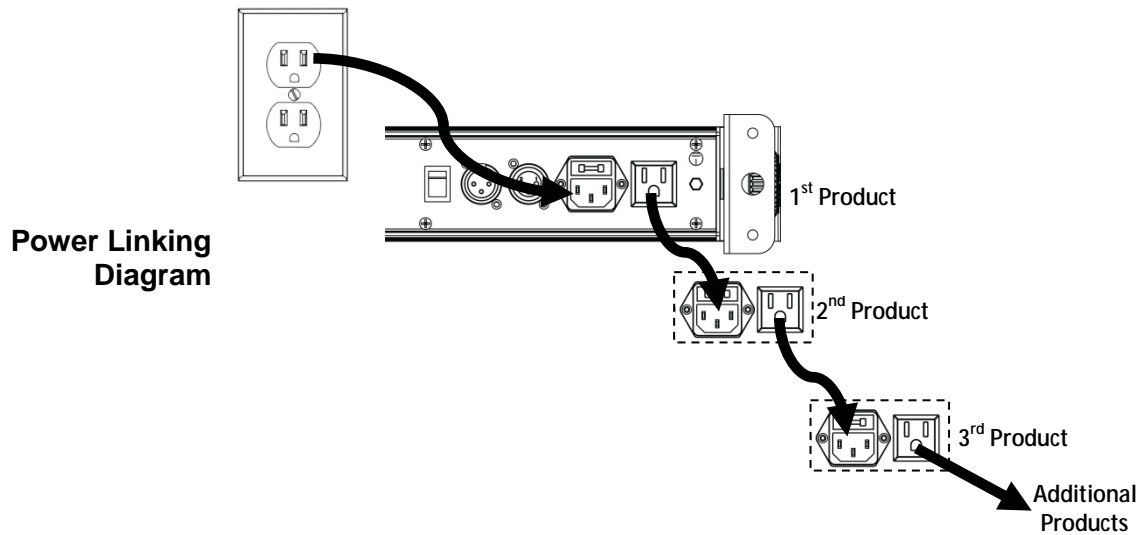
You can power link up to 13 Freedom™ Strip Hex-4 products on 120 VAC or up to 23 Freedom™ Strip Hex-4 products on 230 VAC.

The power linking diagram corresponds to the North American version of the product ONLY! If using the product in other markets, you must consult with the local Chauvet distributor as power linking connectors and requirements may differ in your country or region.

Battery Power

The Freedom™ Strip Hex-4 comes with a rechargeable lithium battery for cable-free operation.

Charging the Battery

The battery charges whenever the product is plugged into a power source. If the product is plugged in and not in operation, make sure the On/Off switch is in the **Off** position.

For optimal battery life, charge the Freedom™ Strip Hex-4 battery for 24 hours prior to initial use.

Battery Life Indicator

The battery charging indicators are the 2 small green and red LEDs above the LED Display screen. The battery life indicators on the display screen show how much battery life remains available. The drawing below provides a key to reading the battery life indicators and charging LEDs.
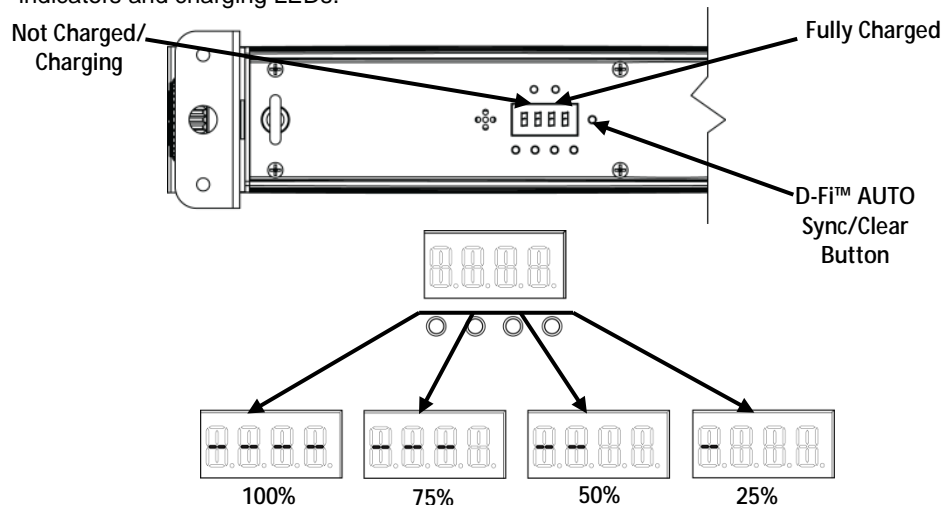
Battery Run Time

The Freedom™ Strip Hex-4 has a limiter option that decreases the power output and extends battery life when more than 4 colors are turned on. This option is set in the control panel. The battery times listed below assume that the limiter option is enabled, which is default for this product.

Note: The battery times listed below assume that the limiter option is enabled.

Maximum Run Time (all colors on)	Maximum Run Time (single color on)	Recharge Time
Up to 8 hours	Up to 20 hours	6 hours

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

Orientation

The Freedom™ Strip Hex-4 may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

·   Before deciding on a location for the product, always 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.

Mounting Clamp
(such as the **CLP-15N** from Chauvet)

Safety Cable
(such as **CH-05** from Chauvet)

Mounting Diagram

Mounting Brackets as Floor Supports

Bracket Adjustment Knob x 2

Threaded Mounting Hole Size M12
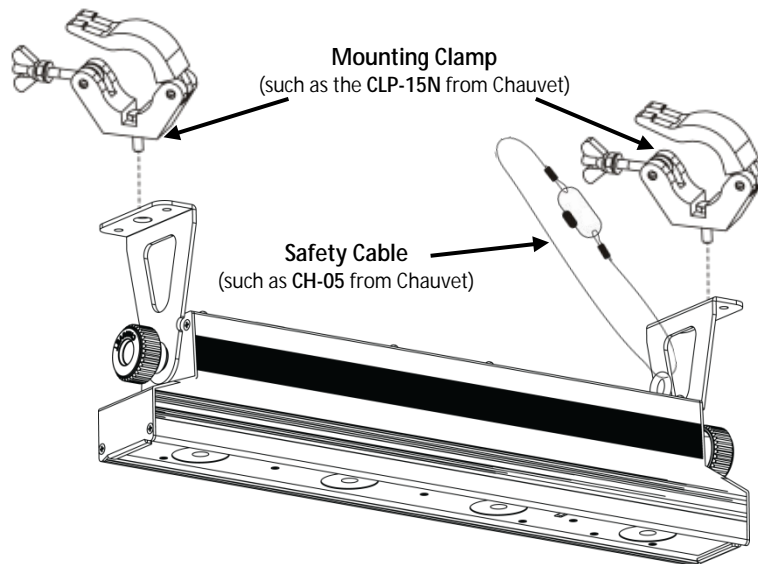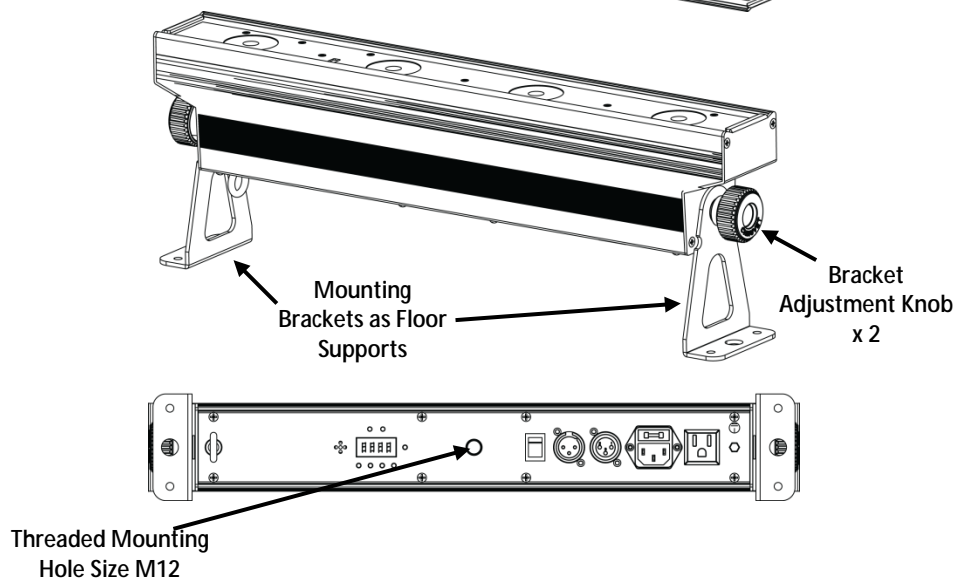
4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the Product Overview to see the button locations on the control panel.

Button	Function
<MENU>	Exits from the current menu or function
<UP>	Navigates upwards through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list or decreases the numeric value when in a function
<ENTER>	Enables the currently displayed menu or sets the currently selected value into the selected function
<Auto>	Auto-syncs D-Fi™ or displays information about D-Fi™ status

Menu Map

Mode	Programming Steps			Description
DMX Personality and Starting Address	6-CH	d 1–d512		Selects DMX personality and starting address
	8-CH			
	12CH			
	18CH			
Static Colors	C--	C 1–C 63		Selects 1 of 63 static colors
Auto Programs	P--	P 1–P 9		Selects 1 of 9 auto programs
Program Speed	S--	S 1–S100		Sets auto program speed (slow to fast)
Sound-Active	Snd			Selects Sound-Active mode
Sound Sensitivity	SenS	u 0–u100		Sets sound sensitivity
Custom Color Mixing	U--	r 0–r255		Red (0–100%)
		g 0–b255		Green (0–100%)
		b 0–g255		Blue (0–100%)
		A 0–A255		Amber (0–100%)
		W 0–W255		White (0–100%)
		P 0–P255		UV (0–100%)
Dimmer	dIM	OFF		Sets the dimming profile: **dIM1** (fast) to **dIM3** (slow), or **OFF**
		dIM1		
		dIM2		
		dIM3		
Infrared	SET	ON		Turns infrared on and off
		OFF		
2.4 Ghz D-Fi™	S-tr	drAS	drAU	Automatically select receive frequency
		drCH	dr 1–dr16	Manually select receive frequency
		dtAS	dtAU	Automatically select transmit frequency
		dtCH	dt 1–dt16	Manually select transmit frequency
Limiter	Limi	On		Turns limiter on, enabling extended battery life
		Off		Turns limiter off, disabling extended battery life

DMX	The Freedom™ Strip Hex-4 operates in Master/Slave mode, or in DMX mode, both of which require DMX linking. In Master/Slave mode the master product sends DMX signals to the slaves. In DMX mode the lighting control board sends DMX signals to the products. To DMX-link a number of Freedom™ Strip Hex-4 using DMX cable, see DMX Linking.
D-Fi™ 2.4 GHz (DMX Mode Manual Sync)	The Freedom™ Strip Hex-4 offers wireless control of 2 or more products with a single DMX controller. To manually set up the D-Fi™ 2.4 GHz syncing for DMX, do the following. For the transmitting product:

For the transmitting product:
1. Press **<MENU>** repeatedly until **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** until **dtCH** appears on the display.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select the transmitting signal (**dt 1**–**dt16**).

For the receiving product(s):
1. Press **<MENU>** repeatedly until **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** until **drCH** appears on the display.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select the receiving signal (**dr 1**–**dr16**). The channel number should match the transmitting signal you chose when setting up the transmitting product.

To sync multiple transmitters in one room, manually set each receiver and the designated transmitter to a specific frequency and then perform the syncing steps.

Freedom™ Strip Hex-4 is fully compatible with the D-Fi™ 2.4 GHz wireless transceiver (transmitter/receiver) from Chauvet (sold separately).
For more detailed information about D-Fi™ 2.4 GHz functionality, refer to the D-Fi™ 2.4 GHz User Manual available at the Chauvet website www.chauvetlighting.com.

Manual syncing is recommended for best results.

D-Fi™ 2.4 GHz (DMX Mode Auto Sync)

The Freedom™ Strip Hex-4 offers wireless control of 2 or more products with a single DMX controller. To automatically set up D-Fi™ 2.4 GHz syncing for DMX, do the following:

For the receiving product(s):

1. Press **<MENU>** repeatedly until **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** until **drAS** appears on the display.
4. Press **<ENTER>**.
5. The display should show **drAU**.

For the transmitting product:

1. Press **<MENU>** repeatedly until **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** until **dtAS** appears on the display.
4. Press **<ENTER>**.
5. The display should show **dtAU**.

Receiving products must be set up before the transmitting product. Once the steps above are done, press and hold **<AUTO>** on just the transmitter for approximately 30 seconds. The display and signal LED will flash to indicate sync is activated.

You can then back out to a general menu level and configure the transmitting product to operate it with a DMX controller.

To configure your product to work with DMX, refer to the Starting Address section.

· **To add additional Freedom™ products, turn the synced ones off and repeat the above steps with un-synced products. Once all products are synced, turn them all back on.**

· **Auto scan syncing must be done within a distance of about 32 ft (10 m).**

· **Manual syncing is recommended for best results when adding products after initial system setup.**

· **If you are experiencing issues or need to improve signal quality, keep the line of sight between products unobstructed.**

· **Ensure that all linked products are configured to the same DMX personality.**

Caution: D-Fi™ 2.4 GHz operation can be interrupted or inhibited by liquid masses between the transmitter and receiver such as water, snow, or people. For best results, keep the line of sight clear of any liquid mass.

DMX Linking

To DMX link a number of Freedom™ Strip Hex-4 using DMX cable:

· connect the DMX cable from DMX Out of the board, to DMX In of the first product, or

· connect the DMX cable from DMX Out of the master, to DMX In of the first slave.

Then connect another DMX cable from DMX Out of the first product/slave to DMX In of the next product/slave.

Continue connecting each subsequent product until all the products are part of the chain.

Information about DMX is in the DMX Primer, which is available from the Chauvet website www.chauvetlighting.com/download/.

ⓘ **When DMX linking Freedom™ Strip Hex-4 products for Master/Slave operation, the DMX controller is not a part of the DMX daisy chain and the master is the first product in the chain. See Master/Slave Mode for details.**

Starting Address

To ensure full access to all channels in each DMX mode, the highest recommended DMX address is **495**.

DMX Personalities

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

If unfamiliar with DMX, download the DMX Primer from www.chauvetlighting.com.

To select the DMX personality and starting address, do the following:

1. Press **<MENU>** repeatedly until **6-CH** (6-channel mode), **8-CH** (8-channel mode), **12CH** (12-channel mode), or **18CH** (18-channel mode) shows on the display.
2. Press **<ENTER>** and **d 1–d512** shows on the display.
3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.

Linking Products

DMX Controller Board

Wireless D-Fi™ Hub

DMX-compatible Brand X product

To more DMX compatible products

Freedom™ Strip sends wireless DMX signal to DMX-compatible products wirelessly or via DMX cable

DMX-compatible Brand X product

D-Fi™-compatible product

DMX Controller connected to Wireless D-Fi™ Hub or FlareCON™
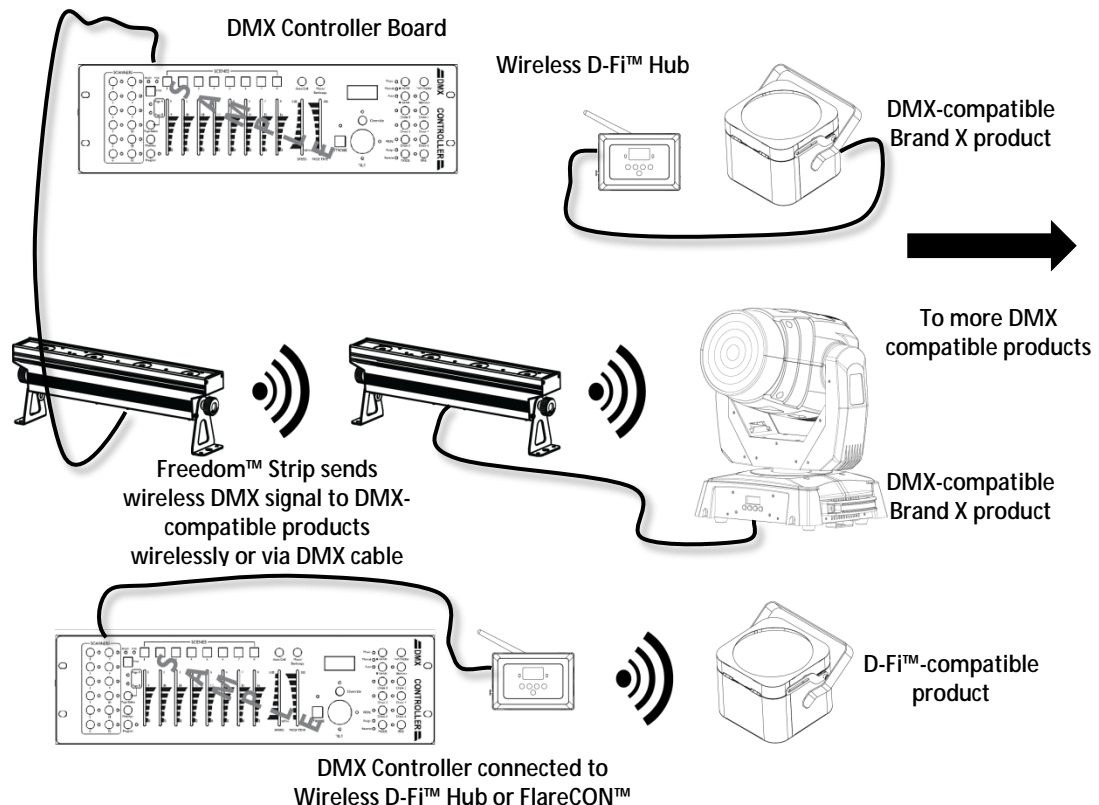
Master/Slave Mode

Master/Slave mode allows a single Freedom™ Strip Hex-4 (the master) to control the actions of one or more Freedom™ Strip Hex-4 products (the slaves) without a DMX controller.

The master will be set to operate in either an auto program or Sound-Active mode, while the slaves will be set to DMX starting address **d 1**. Once set and connected, the slaves will operate in unison with the master. Configure the products as indicated below.

Slaves:

1. Press **<MENU>** repeatedly until any DMX personality shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **d 1.**
4. Connect the DMX input of the first slave to the DMX output of the master.
5. Connect the DMX input of the subsequent slaves to the DMX output of the previous slave.
6. Finish setting and connecting all the slaves.

Master:

1. Set the master to operate in either an auto program or Sound-Active mode.
2. Make the master the first product in the DMX daisy chain.

- **Configure all the slaves to Slave mode before connecting the master to the DMX daisy chain.**
- **Never connect a DMX controller to a DMX daisy chain of master and slaves.**
- **Make the master the first product in the DMX daisy chain.**
- **Always put the male DMX connector (DMX Out) into the master.**
- **DO NOT connect more than 31 slaves to the master using DMX cable.**

DMX Channel Assignments and Values

18CH	Channel	Function	Value	Percent/Setting
	1	Dimmer	000→255	0–100%
	2	Red 1	000→255	0–100%
	3	Green 1	000→255	0–100%
	4	Blue 1	000→255	0–100%
	5	Amber 1	000→255	0–100%
	6	White 1	000→255	0–100%
	7	UV 1	000→255	0–100%
	8	Red 2	000→255	0–100%
	9	Green 2	000→255	0–100%
	10	Blue 2	000→255	0–100%
	11	Amber 2	000→255	0–100%
	12	White 2	000→255	0–100%
	13	UV 2	000→255	0–100%
	14	Strobe	000→010	No function
			011→255	Strobe (slow to fast)
	15	Manual Color	000→010	No function
			011→030	R: 100% G: 0-100% B: 0 A: 0
			031→050	R: 100%–0 G: 100% B: 0 A: 0
			051→070	R: 0 G: 100% B: 0–100% A: 0
			071→090	R: 0 G: 100%–0 B: 100% A: 0
			091→110	R: 0–100% G: 0-100% B: 100% A: 0
			111→130	R: 100% G: 0 B: 100%–0 A: 0
			131→150	R: 100% G: 0 B: 0–100% A: 0
			151→170	R: 100%–0 G: 100%–0 B: 100% A: 0
			171→200	R: 100% G: 100% B: 100% A: 100%
			201→205	Color temperature 1
			206→210	Color temperature 2
			211→215	Color temperature 3
			216→220	Color temperature 4
			221→225	Color temperature 5
			226→230	Color temperature 6
			231→235	Color temperature 7
			236→240	Color temperature 8
			241→245	Color temperature 9
			246→250	Color temperature 10
			251→255	Color temperature 11

18CH (cont.)	Channel	Function	Value	Percent/Setting
	16	Auto and Sound Programs	000🡒010	No function
			011🡒025	Auto program 2
			026🡒050	Auto program 3
			051🡒075	Auto program 4
			076🡒100	Auto program 5
			101🡒125	Auto program 6
			126🡒150	Auto program 7
			151🡒175	Auto program 8
			176🡒200	Auto program 9
			201🡒240	Auto program 1
			241🡒255	Auto sound show
	17	Auto Speed	000🡒255	Program Speed (slow to fast)
		Sound Sensitivity	000🡒010	Off
			011🡒255	Control the sound sensitivity level (0–100)
	18	Dim Mode	000🡒051	Preset dimmer speed from display menu
			052🡒101	Dimmer speed mode off
			102🡒152	Dimmer speed mode1 (fast speed)
			153🡒203	Dimmer speed mode2 (middle speed)
			204🡒255	Dimmer speed mode3 (slow speed)

12CH	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	White 1	000🡒255	0–100%
	6	UV 1	000🡒255	0–100%
	7	Red 2	000🡒255	0–100%
	8	Green 2	000🡒255	0–100%
	9	Blue 2	000🡒255	0–100%
	10	Amber 2	000🡒255	0–100%
	11	White 2	000🡒255	0–100%
	12	UV 2	000🡒255	0–100%

Freedom™ Strip Hex-4 Zones for DMX Control
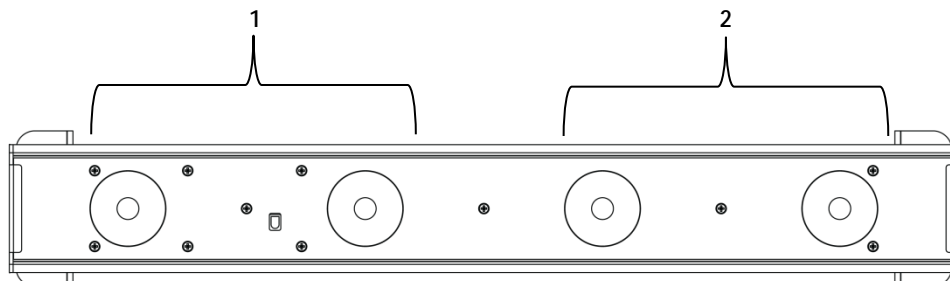
8-CH	Channel	Function	Value	Percent/Setting
	1	Dimmer 1	000⊄255	0–100%
	2	Red 1	000⊄255	0–100%
	3	Green 1	000⊄255	0–100%
	4	Blue 1	000⊄255	0–100%
	5	Amber 1	000⊄255	0–100%
	6	White 1	000⊄255	0–100%
	7	UV 1	000⊄255	0–100%
	8	Strobe	000⊄010	No function
			011⊄255	Strobe (slow to fast)

6-CH	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	White	000⊄255	0–100%
	6	UV	000⊄255	0–100%

Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.

Connect the product to a suitable power outlet.

Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

Static Color Mode

To run the Freedom™ Strip Hex-4 in static color mode, do the following:
1. Press **<MENU>** repeatedly until **C--** shows on the display.
2. Press **<ENTER>** and **C 1–C 63** will show on the display.
3. Use **<UP>** or **<DOWN>** to select a static color.
4. Press **<ENTER>**.

Automatic Mode

To run the Freedom™ Strip Hex-4 in automatic mode, follow the instructions below:
1. Press **<MENU>** repeatedly until **P--** shows on the display.
2. Press **<ENTER>** and **P 1–P 9** will show on the display.
3. Use **<UP>** or **<DOWN>** to select an auto program.
4. Press **<ENTER>**.

Program Speed

To change the program speed in the Freedom™ Strip Hex-4, do the following:
1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Press **<ENTER>** and **S 1–S100** will show on the display.
3. Use **<UP>** or **<DOWN>** to increase or decrease the speed.
4. Press **<ENTER>**.

Sound-Active Mode

To run the Freedom™ Strip Hex-4 in sound-active mode, follow the instructions below:
1. Press **<MENU>** repeatedly until **Snd** shows on the display.
2. Press **<ENTER>**

The product will only respond to low frequencies of music (bass and drums).

Sound Sensitivity   To change the sound sensitivity in the Freedom™ Strip Hex-4, do the following:

1. Press **<MENU>** repeatedly until **SenS** shows on the display.
2. Press **<ENTER>** and **u 1–u100** will show on the display.
3. Use **<UP>** or **<DOWN>** to increase or decrease the sensitivity, until the product responds to the beat of the music.
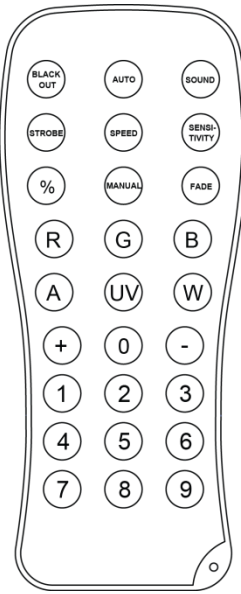4. Press **<ENTER>**.

Custom Color Mixing   To custom mix a color, follow the instructions below:

1. Press **<MENU>** repeatedly until **U--** shows on the display.
2. Press **<ENTER>** and one of the following will show on the display:
   · **rxxx** (red, 000-255)
   · **Gxxx** (green, 000-255)
   · **bxxx** (blue, 000-255)
   · **Axxx** (amber, 000-255)
   · **Wxxx** (white, 000-255)
   · **Pxxx** (UV, 000-255))
3. Press **<ENTER>** to cycle through the color settings.
4. When the desired color shows on the display, use **<UP>** or **<DOWN>** to select the desired color value.
   NOTE: Selecting **0** will turn the color off.
5. Repeat steps 3 and 4 until you have your desired color..

Dimmer   To set the dimmer curve for the Freedom™ Strip Hex-4, do the following:

1. Press **<MENU>** repeatedly until **dIM** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select either:
   · **dIM1** for fast dimming.
   · **dIM2** for medium dimming.
   · **dIM3** for slow dimming.
   · **OFF** for instantaneous dimming
4. Press **<ENTER>**.

Limiter   The Freedom™ Strip Hex-4 has a built-in limiter function, which extends the battery life during operation. To activate or deactivate the limiter, follow the instructions below:

1. Press **<MENU>** repeatedly until **Limi** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select either:
   · **on** to enable extended battery life.
   · **oFF** to disable extended battery life.
4. Press **<ENTER>**.

IRC-6 Infrared Remote Control   The Freedom™ Strip Hex-4 is compatible with the IRC-6 infrared remote control from Chauvet. To run the Freedom™ Strip Hex-4 in IR mode, do the following:

1. Press **<MENU>** repeatedly until **SET** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select either:
   · **on** to enable IRC control.
   · **oFF** to disable IRC control.
4. Press **<ENTER>**.

IRC-6 Operation

Automatic Mode

Automatic mode will enable you to run the automatic programs on the product.

To turn on Automatic mode:

1. Press **<AUTO>** on the IRC-6.
2. Press **<+>** or **<−>** to choose between the different auto programs.

To adjust the speed of the automatic program:

1. Press **<SPEED>** on the IRC-6.
2. Press **<%>**.
3. Press **<+>** or **<−>** to either increase or decrease the speed of the program.

Sound-Active Mode

Sound-Active mode will enable the product to respond to the music.

To turn on Sound-Active mode:

· Press **<SOUND>** on the IRC-6.

To adjust sound sensitivity in Sound-Active mode:

1. Press **<SENSITIVITY>** on the IRC-6.
2. Press **<%>**.
3. Press **<+>** or **<−>** to either increase or decrease sound sensitivity.

Manual Color Control

To choose a specific color with the IRC-6:

1. Press **<MANUAL>** on the IRC-6.
2. Press any number between **<0>** and **<9>** to choose your color.

To manually control the RGBWA+UV percentage:

1. Press **<MANUAL>** on the IRC-6.
2. Press **<R>**, **<G>**, **<B>**, **<W>**, **<A>**, or **<UV>** (red, green, blue, white, amber, or ultraviolet) to choose your color.
   Note: To use the white, amber, or UV color options, the fixture must be capable of outputting that corresponding color light.
3. Press **<+>** or **<−>** to increase or decrease the percentage of each color.

Miscellaneous Operation

To adjust the strobe rate of the program:

1. Press **<STROBE>** on the IRC-6.
2. Press **<+>** or **<−>** to increase or decrease the strobe rate.
3. Press **<STROBE>** again to turn off the strobe.

To fade the light output:

· Press **<FADE>** on the IRC-6.

To black out the lights:

· Press **<BLACK OUT>** on the IRC-6. This will turn off all the lights until the button is pressed again.

NOTE:
The IRC-6 will not respond to any inputs when Black Out is activated. If the remote does not respond when a button is pressed, try pressing <BLACK OUT>. You may have inadvertently activated Black Out.

5. MAINTENANCE

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean your lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

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 surface/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.

(i) **Always dry the transparent surfaces carefully after cleaning them.**

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight

Length	Width	Height	Weight
19.7 in (500 mm)	3.3 in (82 mm)	6.8 in (173 mm)	7.4 lb (3.4 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	230 V, 50 Hz
Consumption	45 W	42 W
Operating Current	0.6 A	0.4 A
Power linking current (products)	8 A (13 products)	8 A (23 products)
Fuse	T 2 A, 250 V	T 2 A, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	IEC	IEC
Power output connector	Edison	IEC
Power Cord plug	Edison (U.S.)	Local plug

Light Source

Type	Power	Lifespan
LED	10 W	50,000 hours

Color	Quantity	Current
Hex-color RGBAW+UV	4	2 A

Photometrics

Parameter	
Beam Angle	25°
Field Angle	42°
Illuminance	1,217 lux @ 2 m
Strobe Rate	0 to 25 Hz

Thermal

Maximum External Temp.	Cooling System
104 °F (40 °C)	Convection

DMX

I/O Connectors	Channel Range
3-pin XLR	6, 8, 12 or 18

D-Fi™

Operating Frequency
2.412 to 2.484 GHz

Ordering

Product Name	Item Code	UPC Number
Freedom™ Strip Hex-4	08030954	781462213022

RoHS

CE
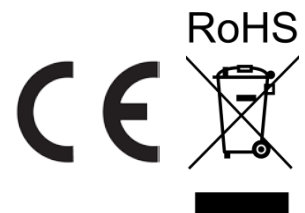
To return a product or request support:

- In the U.S., contact Chauvet World Headquarters (See Contact Us).
- In the UK or Ireland, contact Chauvet Europe Ltd. (See Contact Us).
- In Mexico, contact Chauvet Mexico. (See Contact Us).
- In the Benelux, contact Chauvet Europe BVBA. (See Contact Us).
- In any other country, DO NOT contact Chauvet. Instead, contact your lighting distributor. See www.chauvetlighting.com for distributors outside the U.S., UK, Ireland, Mexico, or Benelux.

Outside the U.S., UK, Ireland, Mexico, or Benelux, contact your distributor and follow their instructions on how to return Chauvet products to them. Visit our website for contact details.

Returns

Call the corresponding Chauvet Technical Support office 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 for the return.

You must send the merchandise prepaid, in its original box, and with its original packing and accessories. Chauvet will not issue call tags.

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

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

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

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

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

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

Contact Us

WORLD HEADQUARTERS - Chauvet

General Information
Address: 5200 NW 108th Avenue
          Sunrise, FL 33351
Voice: (954) 577-4455
Fax: (954) 929-5560
Toll free: (800) 762-1084

Technical Support
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Fax: (954) 756-8015
Email: tech@chauvetlighting.com

World Wide Web www.chauvetlighting.com

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Technical Support
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World Wide Web www.chauvetlighting.co.uk

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          Parque Industrial Lerma
          Lerma, Mexico C.P. 52000
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Technical Support
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World Wide Web www.chauvet.com.mx

CHAUVET EUROPE- Chauvet Europe BVBA

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          9770 Kruishoutem
          Belgium
Voice: +32 9 388 93 97

Technical Support
Email: Eutech@chauvetlighting.eu

World Wide Web www.chauvetlighting.eu

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