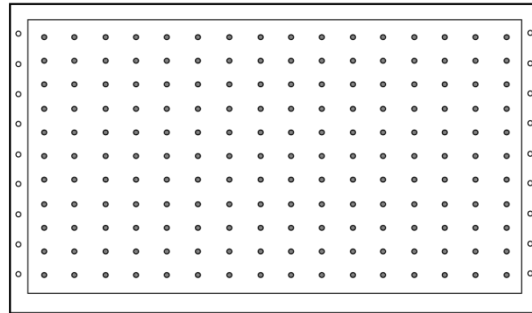
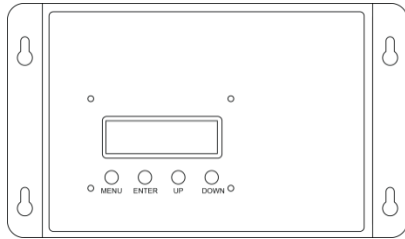
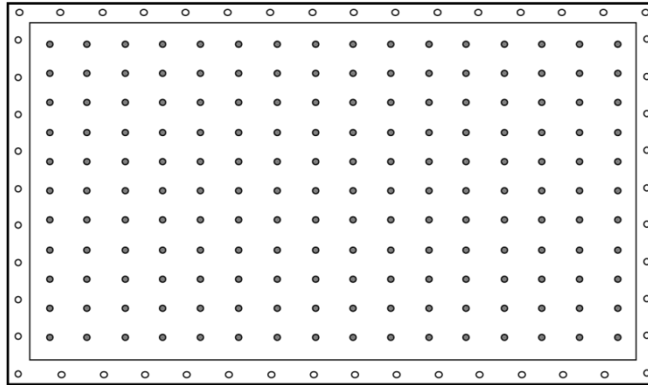


Motion Set™ LED

User Manual



Set Includes
LED Drape
LED Façade
Motion Set™ LED Controller



CHAUVET®
It's
Green Thinking.™

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1. BEFORE YOU BEGIN

What Is Included

- LED Drape
- LED Façade
- Motion Set™ LED Controller
- Power Cord
- Carrying Bag
- Replacement LEDs
- 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 to 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 User Manual are subject to change without notice. Chauvet assumes no responsibility or liability for any errors or omissions, and reserves the right to revise or recreate this manual at any time. Download the latest version from www.chauvetlighting.com.

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Author	Date	Editor	Date
A. Leon	12/31/14	M. Trouard	12/31/14

Product at a Glance

Use on Dimmer	X	Auto Programs	P
Outdoor Use	X	Auto-ranging Power Supply	P
Sound-Active	P	Replaceable Fuse	P
DMX	P	User-Serviceable	X
Master/Slave	P		

Safety Notes

These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.



- 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.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, 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.



- 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.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part.
- 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. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.
- 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.



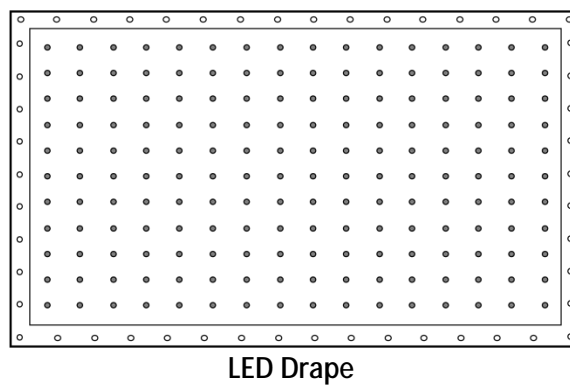
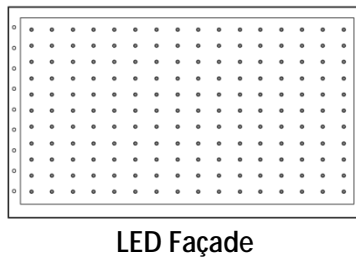
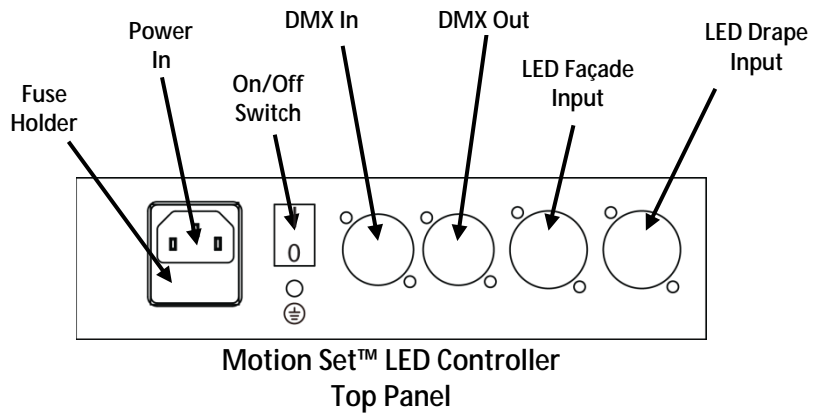
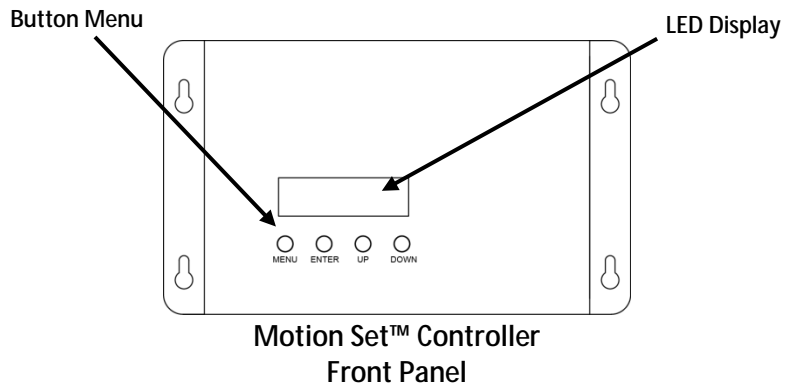
- **This product is NFPA-certified fire-retardant material.**



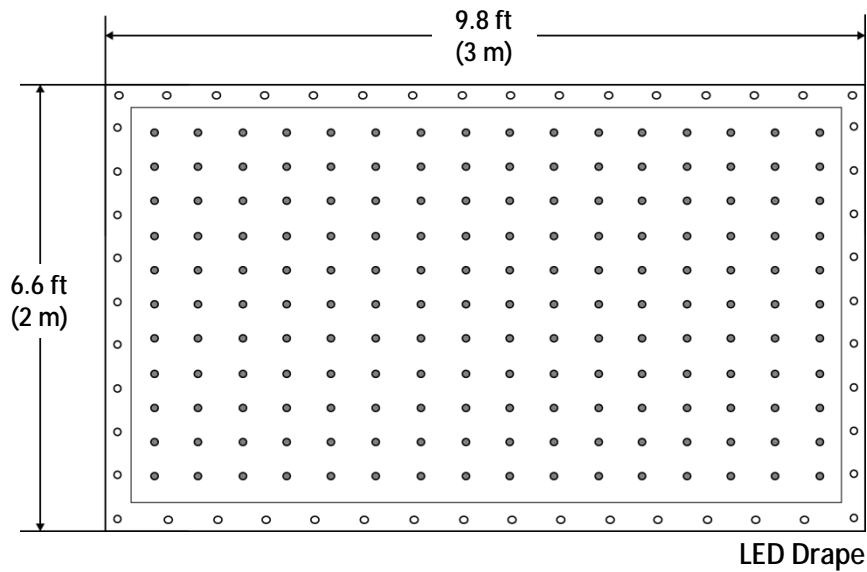
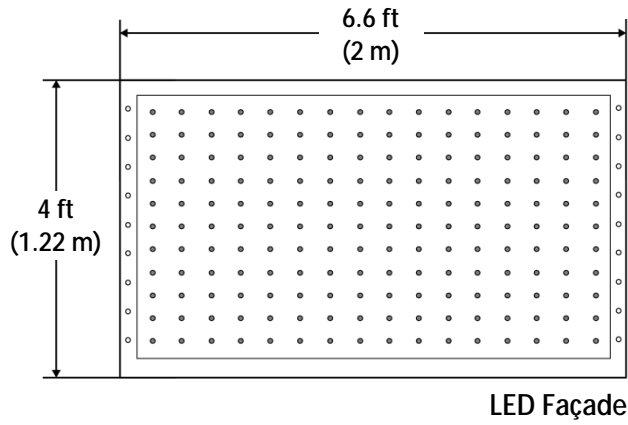
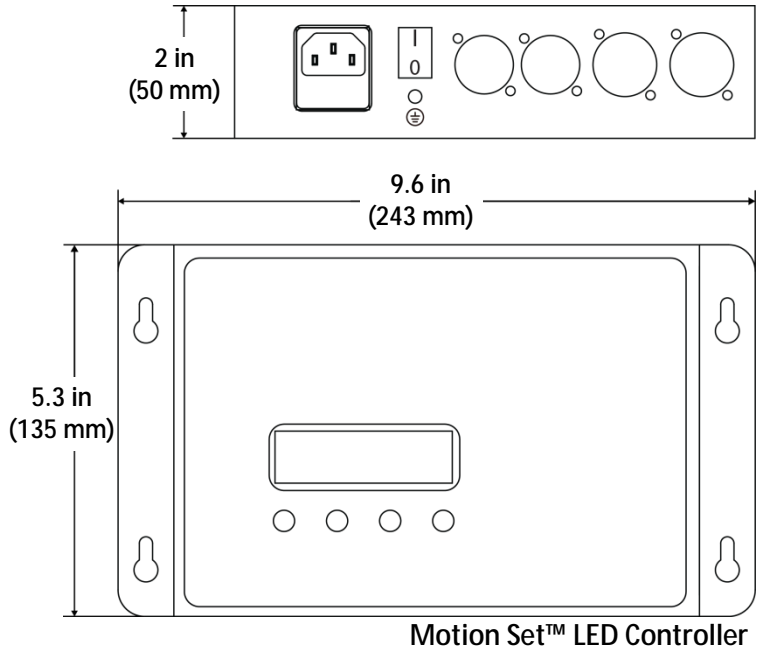
- Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.

2. INTRODUCTION

Overview



Dimensions



3. SETUP

AC Power The Motion Set™ LED 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.



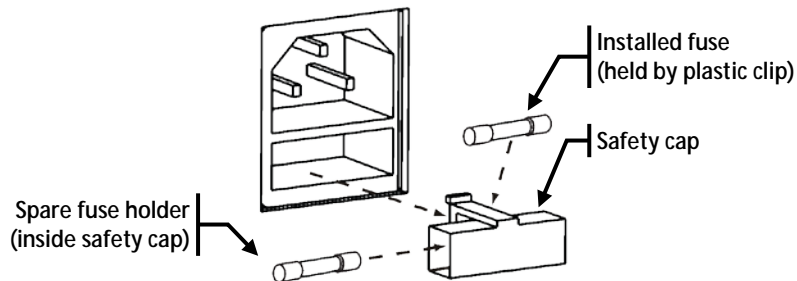
Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Fuse Replacement



Disconnect the product from power before replacing the fuse.

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



A spare fuse is not included; however, the safety cap has room for a spare.



Always replace a blown fuse with another of the same type and rating.

Mounting Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).

Orientation The Motion Set™ LED may be mounted in any position; however, make sure adequate ventilation is provided around the product.

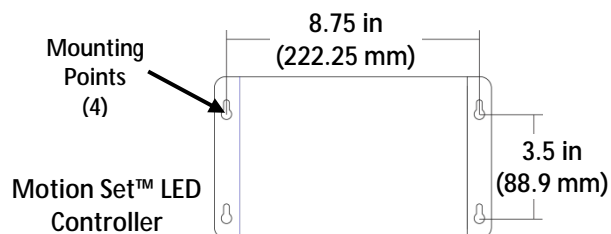
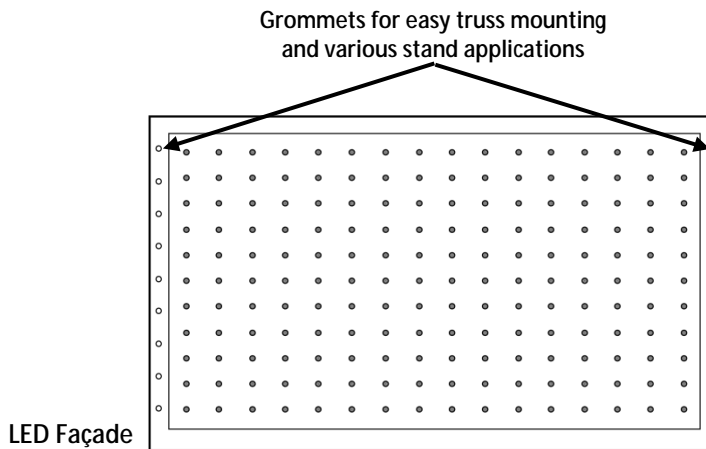
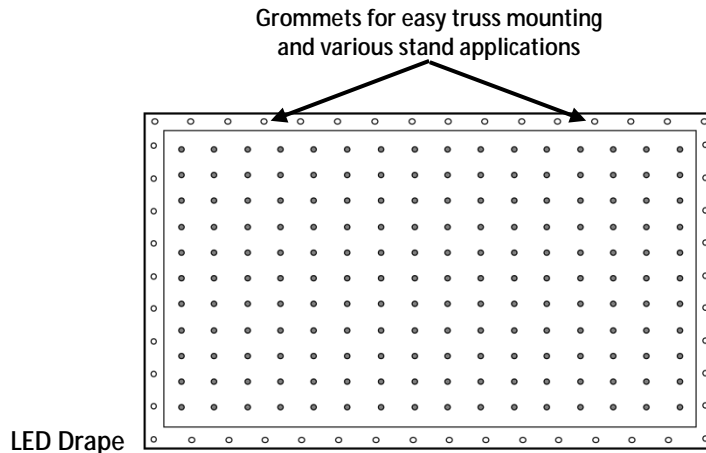
- Rigging**
- Before deciding on a location, always make sure there will be easy access to the product for maintenance and programming.
 - Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see [Technical Specifications](#)).
 - When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
 - Reusable zip ties (tie wraps) are provided with the Motion Set™ LED for quick and easy mounting.



The LED Drape can be used with the CHAUVET® CH-31 portable truss or any similar portable trussing system.

The dimensions for mounting the Motion Set™ LED Controller are included here to aid in installation.

Mounting Diagram



4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display.

Button	Function
<MENU>	Selects an operation mode or backs out of the current menu option
<UP>	Scrolls up the list of options or selects a higher value
<DOWN>	Scrolls down the list of options or selects a lower value
<ENTER>	Activates a menu option or a selected value

Menu Map

Main Level	Programming Levels	Description
Version	X.X	Shows the software version number
Automatic	No	Disables automatic mode function
	Yes	Enables automatic mode function
Sound	No	Disables sound mode function
	Yes	Enables sound mode function
Dmx512	No	Disables DMX mode function
	Yes	001—512 Enables DMX mode and sets starting address
Speed	1—9	Selects the automatic mode's program speed
Program	1—30	No Disables numbered program running in sequence in automatic or sound mode
		Yes Enables numbered program running in sequence in automatic or sound mode



Note: Be sure to connect the LED Drape to the Drape input on the Motion Set™ LED controller. Likewise, be sure to connect the LED Façade to the Façade input on the Motion Set™ LED controller. If you connect either to the wrong input, they will not function.

Configuration (DMX)

Set the product in DMX mode to control with a DMX controller.

1. Connect the product to a suitable power outlet.
2. Turn the product on.
3. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

Starting Address

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.

The Motion Set™ LED uses up to 8 DMX channels in its 8-channel DMX mode, which defines the highest configurable address to **505**.

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

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

1. Press <MENU> repeatedly until **Dmx512** shows on the display.
2. Press <ENTER> and **Yes** (enables DMX mode) or **No** (disables DMX mode) shows on the display.
3. If not already selected, use <UP> to select **Yes**.
4. Press <ENTER> and **Address 001—512** shows on the display.
5. Use <UP> or <DOWN> to select the desired starting address.
6. Press <ENTER>.

DMX Channel Modes, Assignments, and Values

8-Channel	Channel	Function	Value	Setting
	1	Dimmer	000 ó 007 008 ó 255	No function 0 to 100%
	2	Strobe	000 ó 010 011 ó 255	No function 0 to 100%
	3	Red	000 ó 255	0 to 100%
	4	Green	000 ó 255	0 to 100%
	5	Blue	000 ó 255	0 to 100%
	6	Programs 1—15	000 ó 015 016 ó 031 032 ó 047 048 ó 063 064 ó 079 080 ó 095 096 ó 111 112 ó 127 128 ó 143 144 ó 159 160 ó 175 176 ó 191 192 ó 207 208 ó 223 224 ó 239 240 ó 255	No function Falling Star Diagonal Color Bands Color Pattern Chase Inward Arrow (L-R) Color Stack Multi-Color Freeway Color Wave (L-R) Color Wave (R-L) Color Bar Chase (L-R) Color Bar Chase (R-L) Windmill Fan Whirlpool Falling Snow Multi box Frenzy
	7	Program 16—30	000 ó 015 016 ó 031 032 ó 047 048 ó 063 064 ó 079 080 ó 095 096 ó 111 112 ó 127 128 ó 143 144 ó 159 160 ó 175 176 ó 191 192 ó 207 208 ó 223 224 ó 239 240 ó 255	No function Center Burst Outer Burst EQ Effect Rolling Color Horizontal Snow Inner Zone Outer Zone Diamond Spread Single Diamond Squeeze Follow The Leader Crisscross X-Factor Double Diamond Squeeze Red X-Factor Multi Rain
	8	Speed	000 ó 255	Slow to fast

Configuration (Standalone)

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

1. Connect the product to a suitable power outlet.
2. Turn the product on.



Never connect a product that is operating in any standalone mode (Static, Automatic, or Sound) 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.

Sound Mode

To enable the Sound mode, do the following:

1. Press **<MENU>** repeatedly until **Sound Yes** (enables Sound mode) or **Sound No** (disables Sound mode) shows on the display.
2. Press **<ENTER>**.
3. If not already selected, use **<UP>** to select **Yes**.
4. Press **<ENTER>**.



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

Automatic Mode

To enable the Automatic mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **Automatic Yes** (enables Automatic mode) or **Automatic No** (disables Automatic mode) shows on the display.
2. Press **<ENTER>**.
3. If not already selected, use **<UP>** to select **Yes**.
4. Press **<ENTER>**.

Speed

To set the Automatic mode's program speed, do the following:

1. Press **<MENU>** repeatedly until **Speed 1—9** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the desired speed.
4. Press **<ENTER>**.

Program

To select the numbered program running in sequence in Automatic or Sound mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **Program** shows on the display.
2. Press **<ENTER>** repeatedly until the desired program (**Program 1—30**) shows on the display.
3. Use **<UP>** or **<DOWN>** to select **Yes** (enables the numbered program) or **No** (disables the numbered program).
4. Press **<ENTER>**.
5. Repeat steps 2—4 for all numbered programs.

Software Version

To view the version number of the software installed on the Motion Set™ LED, follow the instructions below:

1. Press **<MENU>** repeatedly until **Version** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** and the software version shows on the display. (Press **<DOWN>** and the software version disappears from the display.)

Master/Slave Mode

The Master/Slave mode allows a single Motion Set™ LED unit (the “master”) to control the actions of one or more Motion Set™ LED units (the “slaves”) without the need of a DMX controller. The master unit will be set to operate in either Automatic or Sound mode, while the slave units will be set to operate in Slave mode. Once set and connected, the slave units will operate in unison with the master unit.

Configure the units as indicated below.

Slave units:

1. Set the DMX address to **001**.
2. Connect the DMX input of the first slave unit to the DMX output of the master unit.
3. Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
4. Finish setting and connecting all the slave units.

Master unit:

1. Set the master unit to operate in either Automatic or Sound mode.
2. Make the master unit the first unit in the DMX daisy chain.



- **Configure all the slave units before connecting the master unit to the DMX daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master unit.**
- **Do not connect more than 31 slave units to the master unit.**

5. TECHNICAL INFORMATION

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 wear. To maintain optimum performance and minimize wear, clean the product at least twice a month. However, usage and environmental conditions contribute to increased 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 vents and reachable components.
4. Clean all external optics and glass surfaces with a mild solution of glass cleaner or isopropyl alcohol.

Note: Do not apply isopropyl alcohol onto the fabric of the LED Drape or LED Façade.

- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Softly wipe away any dirt and grime.
- Gently polish the external glass surfaces until they are free of haze and lint.



Always dry the external optics and glass/transparent surfaces carefully after cleaning them.

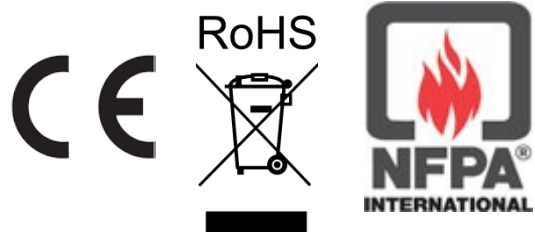
6. TECHNICAL SPECIFICATIONS

Dimensions and Weight	Length (Controller)	Width (Controller)	Height (Controller)	Weight (Controller)
	5.3 in (135 mm)	9.6 in (243 mm)	2.0 in (50 mm)	2.2 lb (1.1 kg)
	Length (LED Drape)	Width (LED Drape)		Weight (LED Drape)
	6.6 ft (2 m)	9.8 ft (3 m)		9.8 lb (4.4 kg)
	Length (LED Façade)	Width (LED Façade)		Weight (LED Façade)
	4 ft (1.22 m)	6.6 ft (2 m)		3.9 lb (1.7 kg)

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

Note: Unless otherwise indicated, all specifications are applicable to both the LED Façade and LED Drape.

Power	Power Supply Type	Range	Voltage Selection
	Switching (internal)	100 to 240 V, 50/60 Hz	Auto-ranging
	Parameter	120 V, 60 Hz	230 V, 50 Hz
	Consumption	49 W	57 W
	Operating current	0.4 A	0.2 A
	Fuse	F 2 A, 250 V	F 2 A, 250 V
	Power I/O	US/Worldwide	UK/Europe
	Power input connector	IEC	IEC
	Power Cord plug	Edison (US)	Local plug
	Light Source	Type	Quantity (LED Drape)
SMD LED		176	50,000 hours
Color		Quantity (LED Façade)	Current
Tri-color RGB		66	20 mA
Thermal	Maximum External Temp.	Cooling System	
	104° F (40° C)	Convection	
DMX	I/O Connectors	Connector Type	Channel Range
	3-pin XLR	Sockets	8
Ordering	Product Name	Item Code	UPC Number
	Motion Set™ LED	15090672	781462210205



RETURNS

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 any other country, DO NOT contact Chauvet. Contact your distributor. See www.chauvetlighting.com for distributors outside the U.S., United Kingdom, Ireland, or Mexico.



If you live outside the U.S., United Kingdom, Ireland, or Mexico, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website for contact details.

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:

1. Your name
2. Your address
3. Your phone number
4. RMA number
5. 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

Voice: (954) 577-4455 (Press 4)
Fax: (954) 756-8015
Email: tech@chauvetlighting.com

World Wide Web www.chauvetlighting.com

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Fax: +44 (0)1773 511110

Technical Support

Email: uktech@chauvetlighting.com

World Wide Web www.chauvetlighting.co.uk

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Technical Support

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World Wide Web www.chauvet.com.mx

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