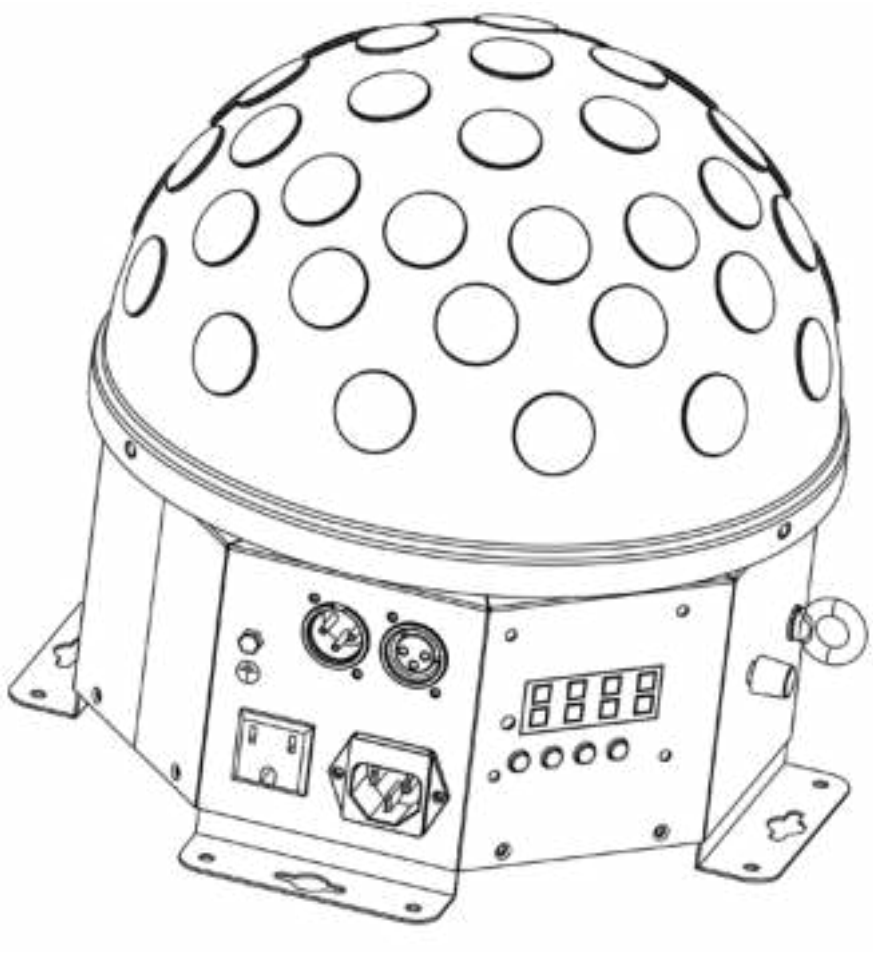
HEMISPHERE™ 5.1

User Manual



CHAUVET DJ

It's Green Thinking.

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1. BEFORE YOU BEGIN

What Is Included

- Hemisphere™ 5.1
- Power cord
- Warranty card
- Quick Reference Guide

Unpacking Instructions

Immediately upon receipt, carefully unpack the product and check the container to make sure you have received all the parts indicated above 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 do so in a timely manner may invalidate your claim with the carrier. 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

Icons

Icon	Meaning
	Critical installation, configuration, or operation information. Failure to comply may render the product partially or completely inoperative, 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, and reserves the right to revise or recreate this manual at any time.

Download the latest version of this document from www.chauvetlighting.com.

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Product at a Glance

Use on Dimmer	x		Auto Programs	P
Outdoor Use	x		Auto-ranging Power Supply	P
Sound Activated	P		Replaceable Fuse	P
DMX	P		User-Serviceable	x
Master/Slave	P		Duty Cycle	x

Safety Notes

The Safety Notes include important safety information about the mounting, usage, and maintenance of this product. Read the Safety Notes 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.
- 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 by pulling or tugging on the cord.
- If mounting the product overhead, always use 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 by the power cord or the moving head. Always use the hanging/mounting brackets.
- 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 persons can lead to damage or malfunction. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.

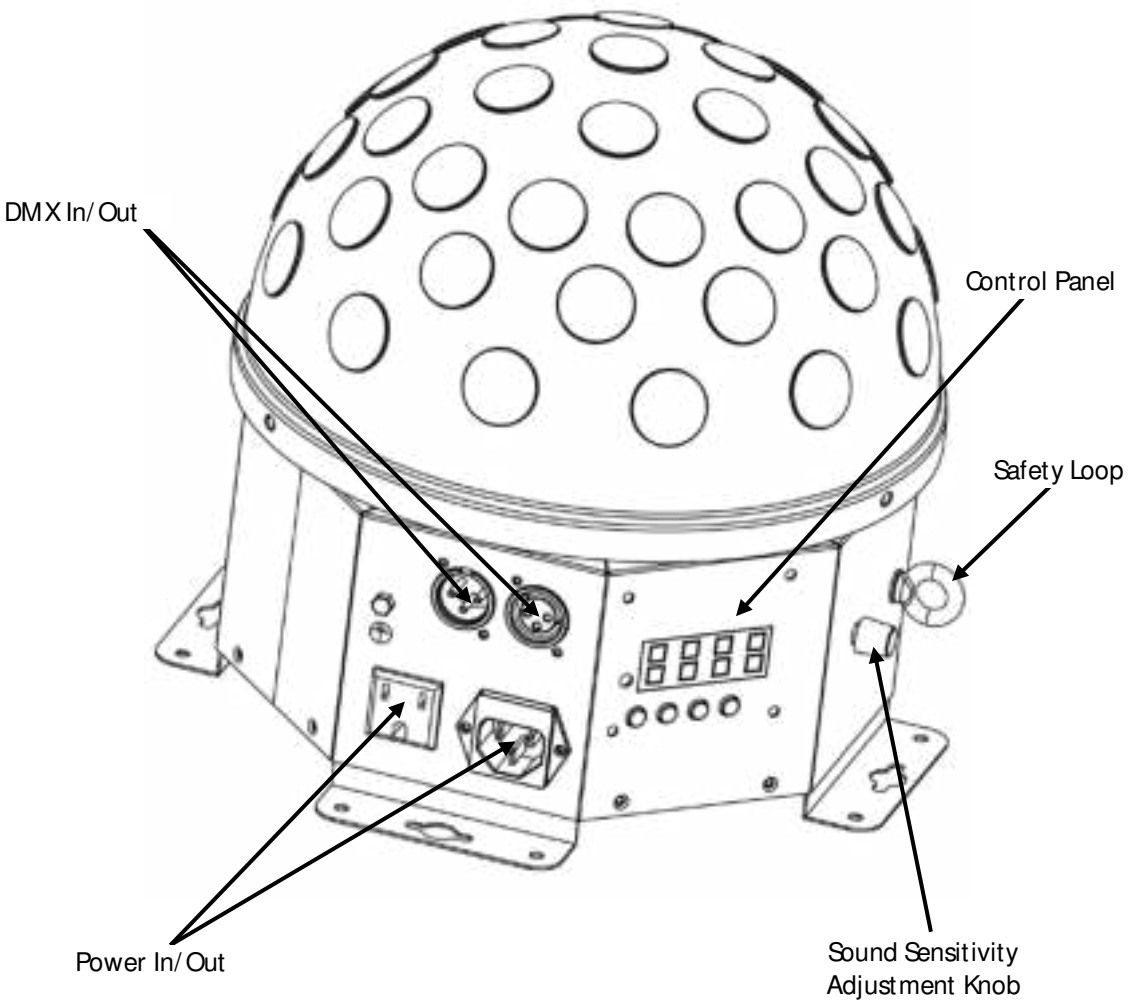


- Keep this User Manual for future consultation. If you sell the product to another user, be sure that they also receive this document.

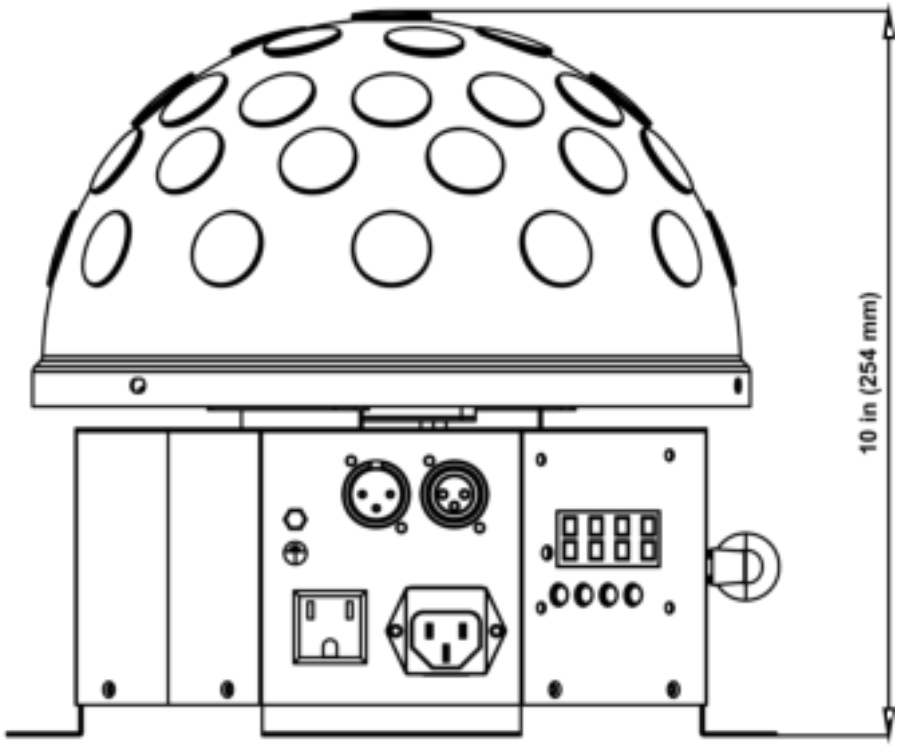
2. INTRODUCTION

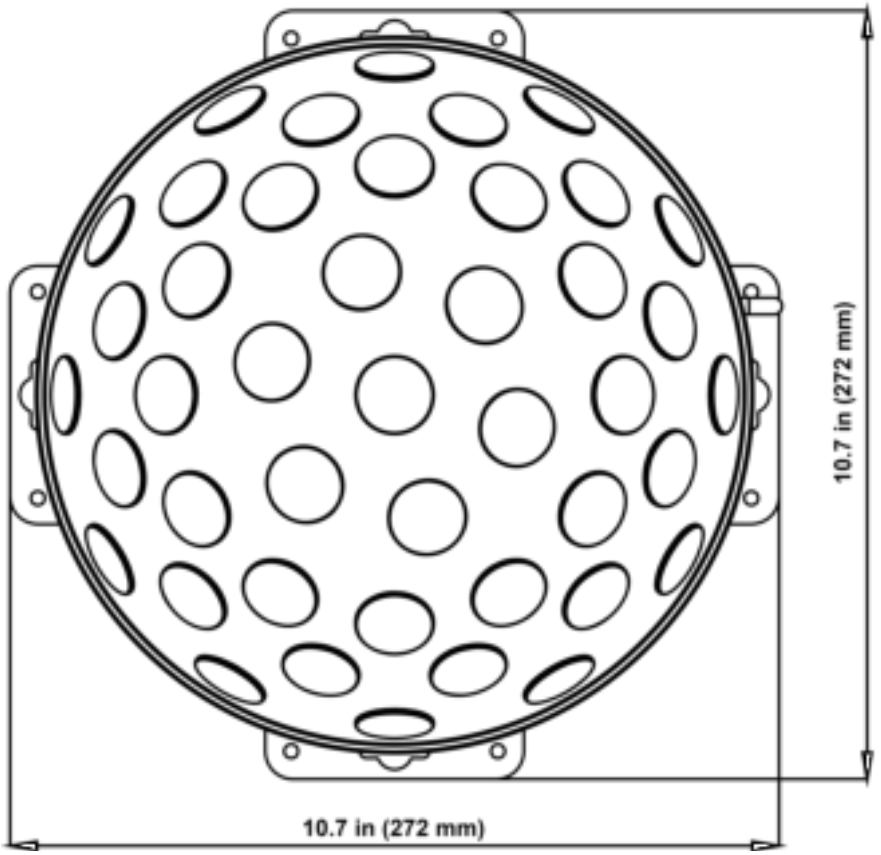
Product Overview

The Hemisphere™ 5.1 is a rotating, multi-colored centerpiece light. The product contains red, green, blue, white, and amber LEDs for effects similar to a mirror ball. The moving head spins in both directions and at variable speeds to create an ever-changing star field. Sound-activated programs change the lights to the beat of the music. Standalone modes allow customized looks without a DMX controller.



Product Dimensions





3. SETUP

AC Power

The Hemisphere™ 5.1 has an auto-ranging power supply and it can work with an input voltage range of 100~240 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.

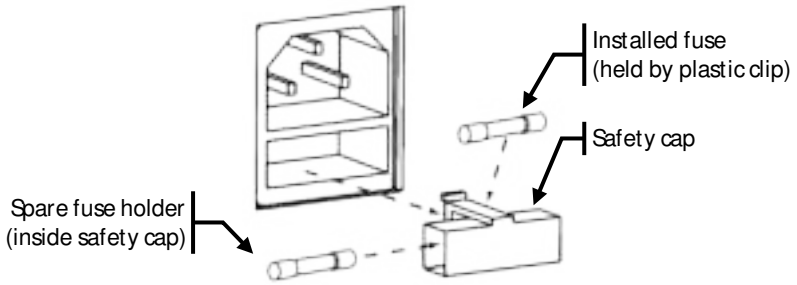
Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Fuse Replacement

Follow the instructions below to change the fuse, if necessary.

Disconnect the product from power before replacing the fuse.

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 into place and reconnect power.

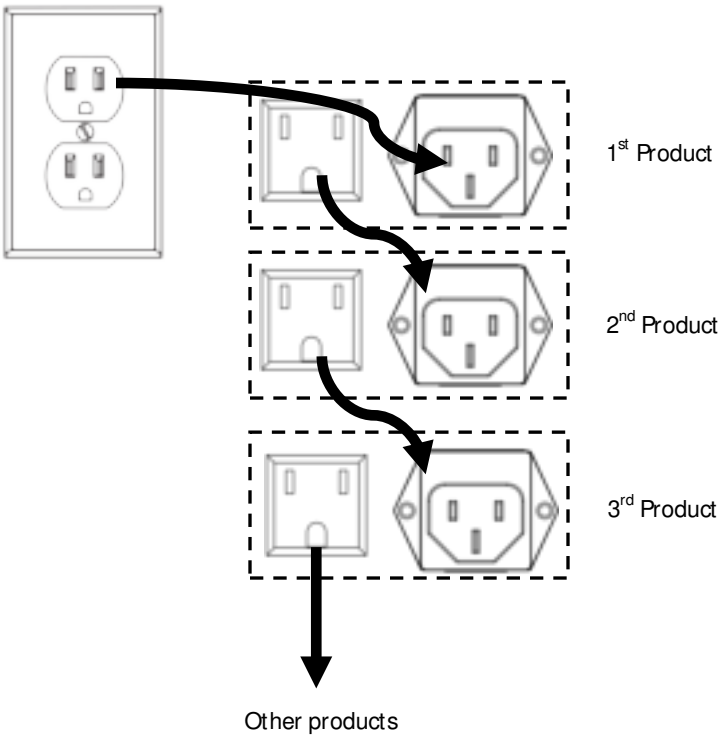


The product does not ship with a spare fuse; however, the safety cap has room for a spare.

Power Linking

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

Power Linking Diagram



You can power link up to 25 Hemisphere™ 5.1 products on 120 VAC or up to 45 Hemisphere™ 5.1 products on 230 VAC.

The power linking diagram shown above 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.

Mounting

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

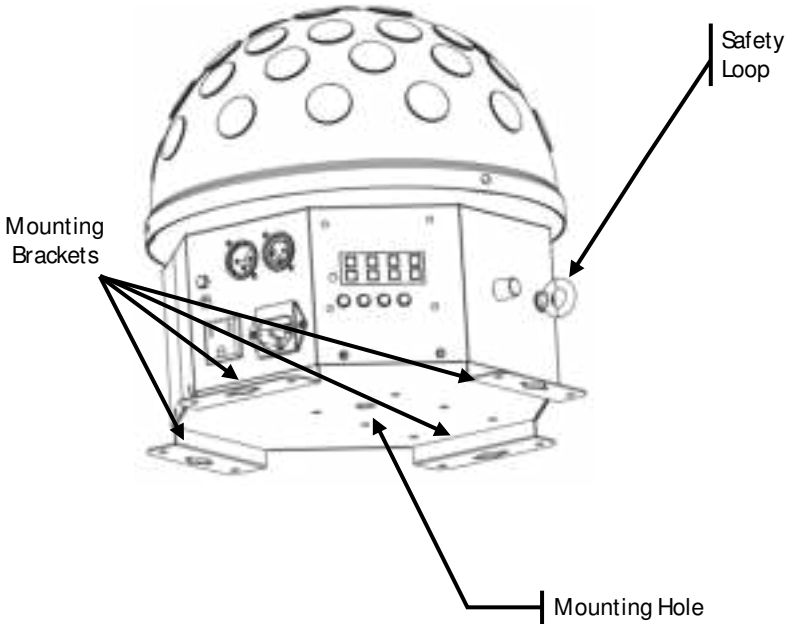
Orientation

The Hemisphere™ 5.1 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 or surface onto which you are mounting the product can support the product's weight (see the 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.
- When rigging the product onto a truss, you should use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, you must always consider the length of the power linking cable and mount the products close enough for the cable to reach.
- This product has 4 mounting brackets. The mounting brackets also serve as floor supports and allow for surface mounting. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram



4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the Introduction section for button locations on the control panel.

Button	Function
<MENU>	Press to find an operation mode or to back out of the current menu option
<ENTER>	Press to activate a menu option or a selected value
<UP>	Press to scroll up the list of options or to find a higher value
<DOWN>	Press to scroll down the list of options or to find a lower value

Menu Map

Main Level	Programming Levels		Description
Auto Program Selection	**Pr.*XX***	**Pr.01~Pr.14**	Selects Auto Program manually
Auto Program Sequence	**AUTO**		Runs Auto Programs automatically
DMX Address	**d.*XXX***	**d.001~d.512**	Selects DMX starting address
Slave Mode	**SLAV**		Sets Slave mode
Sound-Active Mode	**SOUN**		Sets Sound-Active mode
Static Colors	**C.L.*XX***	**C.L.r-**	Static color Red
		C.L.g-	Static color Green
		C.L.b-	Static color Blue
		C.L.u-	Static color White
		C.L.Y-	Static color Amber
		C.L.rg	Static color Red & Green
		C.L.rb	Static color Red & Blue
		C.L.ru	Static color Red & White
		C.L.rY	Static color Red & Amber
		C.L.gb	Static color Green & Blue
		C.L.gu	Static color Green & White
		C.L.gY	Static color Green & Amber
		C.L.bu	Static color Blue & White
		C.L.bY	Static color Blue & Amber
		C.L.uY	Static color White & Amber
		rgb-	Static color Red, Green & Blue
		rgbu	Static color Red, Green, Blue & White
		rgbY	Static color Red, Green, Blue & Amber
		C.L.FL	Static color All

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 Hemisphere™ 5.1 uses up to 512 DMX channels in DMX mode, which defines the highest configurable address to **508**.

If unfamiliar with DMX, download the DMX Primer from the CHAUVET® website.

To select the starting address, do the following:

1. Press **<MENU>** repeatedly until **5ch** shows on the display. If DMX address already displays, go to step 3.
2. Press **<ENTER>** to display DMX address.
3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.



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

DMX Values

5-CH

Channel	Function	Value		Setting
1	**Auto Programs**	000	009	Blackout
		010	019	Red
		020	029	Green
		030	039	Blue
		040	049	White
		050	059	Amber
		060	069	Red/Green
		070	079	Red/Blue
		080	089	Red/White
		090	099	Red/Amber
		100	109	Green/Blue
		110	119	Green/White
		120	129	Green/Amber
		130	139	Blue/White
		140	149	Blue/Amber
		150	159	White/Amber
		160	169	Red/Green/Blue
		170	179	Red/Green/Blue/White
		180	189	Red/Green/Blue/Amber
		190	199	Red/Green/Blue/White/Amber
		200	229	Auto Program
		230	255	Sound-Active mode
2	**Strobe**	000	009	No Function
		010	255	Strobe (0~13 Hz)
3	**Auto Program Speed**	000	255	0~100% (Ch. 1: 200~229)
4	**Rotation**	000	009	Stop
		010	119	Rotate left (slow to fast)
		120	129	Stop
		130	255	Rotate right (slow to fast)
5	**Dimmer**	000	255	0~100%

Configuration (Standalone)

To control the product without a DMX controller, connect the product to a suitable power outlet and set the product in one of the three standalone modes below.

Never connect a product that is operating in any standalone mode (Sound-Active, Automatic, or Master/Slave) 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-Active Mode

To enable the Sound-Active mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **SoUn** shows on the display.
2. Press **<ENTER>**.
3. Turn the music on and adjust the microphone sensitivity knob until the product starts responding to the beat of the music.

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

Automatic Mode

To enable an Automatic mode, follow the instructions below.

Manually selecting an Auto program:

1. Press **<MENU>** repeatedly until **Pr.*XX*** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the automatic program from **Pr.01** to **Pr.14**.
4. Press **<ENTER>**.

Automatically running an Auto program:

1. Press **<MENU>** repeatedly until **AUTO** shows on the display.
2. Press **<ENTER>**.

Master/Slave Mode

The Master/Slave mode allows a single Hemisphere™ 5.1 product (the “master”) to control the actions of one or more Hemisphere™ 5.1 product (the “slaves”) without the need of a DMX controller. The master unit will be set to operate in either Automatic or Sound-Active 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. Press **<MENU>** repeatedly until **SLAU** shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **d.001**.
4. Connect the DMX input of the first slave unit to the DMX output of the master unit.
5. Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
6. Finish setting and connecting all the slave units.

Master unit:

1. Set the master unit to operate in either Automatic or Sound-Active mode.
2. Make the master unit is the first unit within 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 mechanical wear. To maintain optimum performance and minimize wear, you should 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.

- Unplug the product from power.
- Wait until the product is at room temperature.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface.
- Clean all external optics and transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Softly drag any dirt or grime off the transparent surfaces.
- Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the external transparent surfaces carefully after cleaning them.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight

Length	Width	Height	Weight
10.7 in (272 mm)	10.7 in (272 mm)	10 in (254 mm)	6.4 lb (2.9 kg)

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

Power

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

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	38 W	43 W
Operating current	0.4 A	0.2 A
Power linking current (units)	8 A (25 units)	8 A (45 units)
Fuse	T 1 A, 250 V	T 1 A, 250 V

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

Light Source

Type	Power	Lifespan
LED	3 W	50,000 hours

Color	Quantity	Current
Red	1	730 mA
Green	1	730 mA
Blue	1	730 mA
White	1	730 mA
Amber	1	730 mA

Photo Optic

Parameter	Value
Coverage Angle	360º

Thermal

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

DMX

I/O Connectors	Connector Type	Channel Range
3-pin XLR	Sockets	5

Ordering

Product Name	Item Code	Item Number
Hemisphere 5.1	03050164	HEMISPHERE5.1



Returns

In case you need to return a product or request support, follow the procedure below:

- If you live in the U.S., contact CHAUVET® World Headquarters (see below).
- If you live in the UK or Ireland, contact CHAUVET® Europe Ltd. (see below).
- If you live in any other country, DO NOT contact CHAUVET®. Instead, contact your distributor of record. See www.chauvetlighting.com for distributors outside the U.S., United Kingdom, or Ireland.



If you live outside the U.S., United Kingdom, or Ireland, 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® Tech 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 mark the package with the RMA number on the label. 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 is 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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