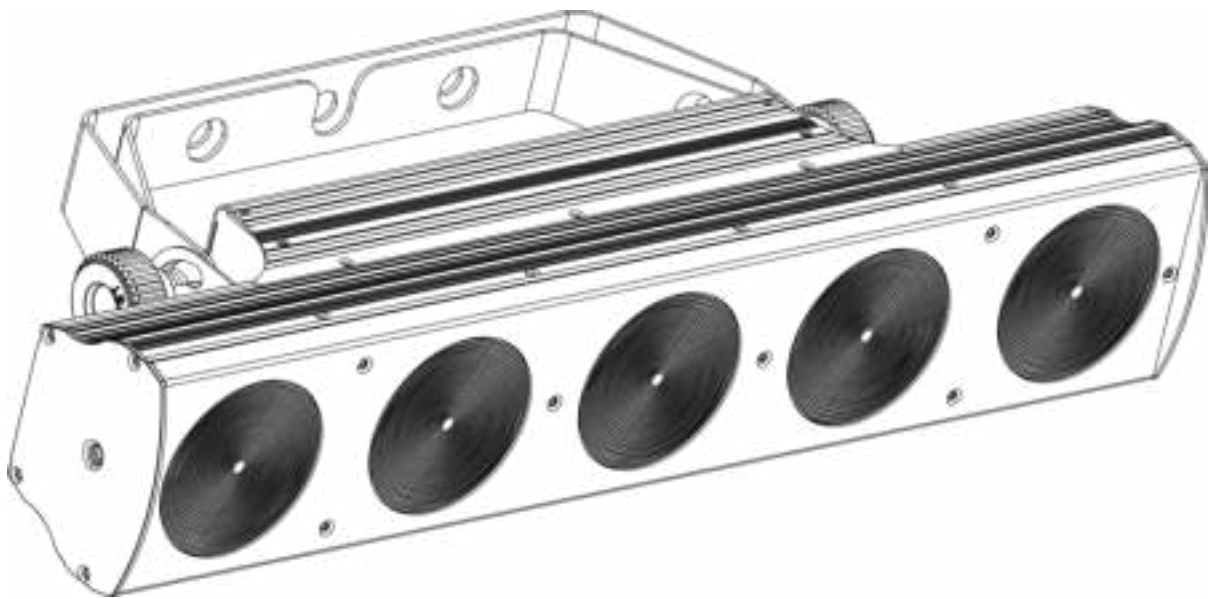


BEAMBAR™

User Manual



CHAUVET®
Value • Innovation • Performance
It's **Green** Thinking.

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1. BEFORE YOU BEGIN

What Is Included

- BEAMbar™
- Power Cord
- 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 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
Albert Leon	02/22/13	D. Coupe	02/26/13

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	Duty Cycle	X

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.
- 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 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.



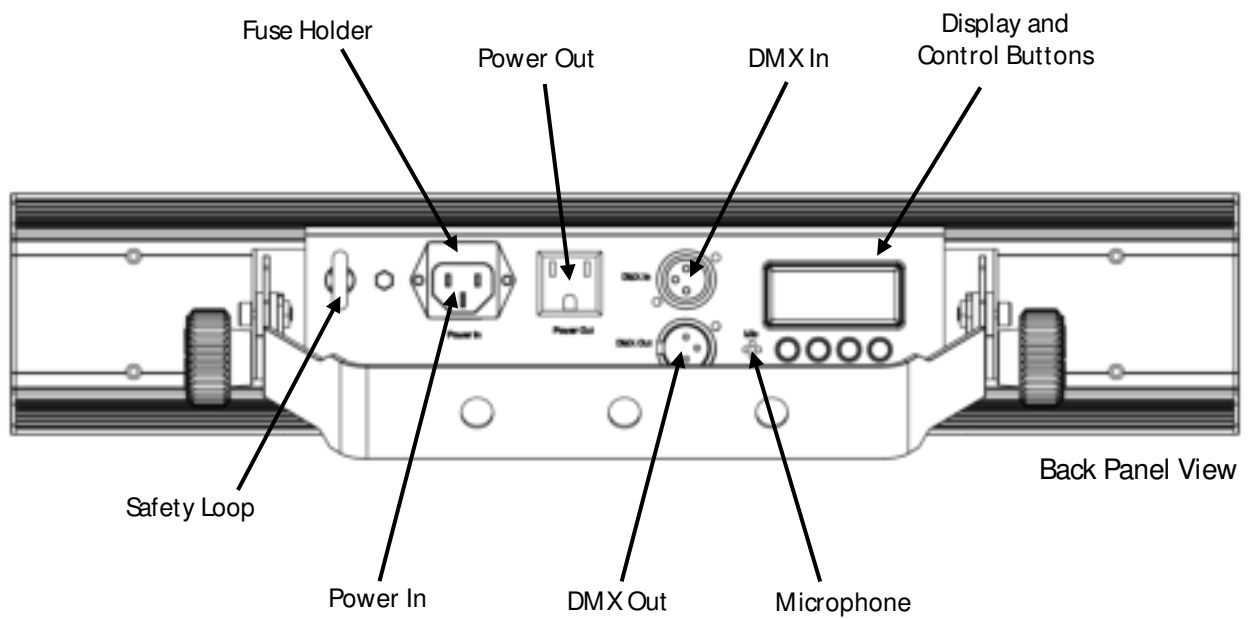
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install 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. 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. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.



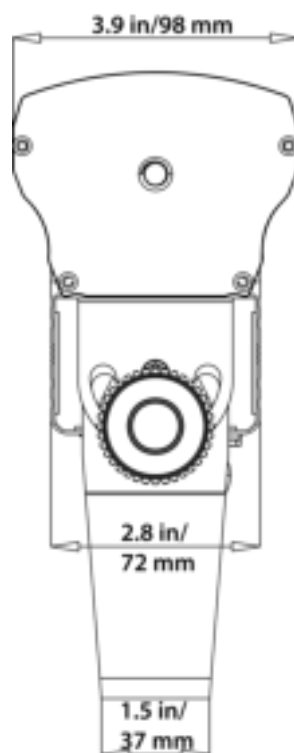
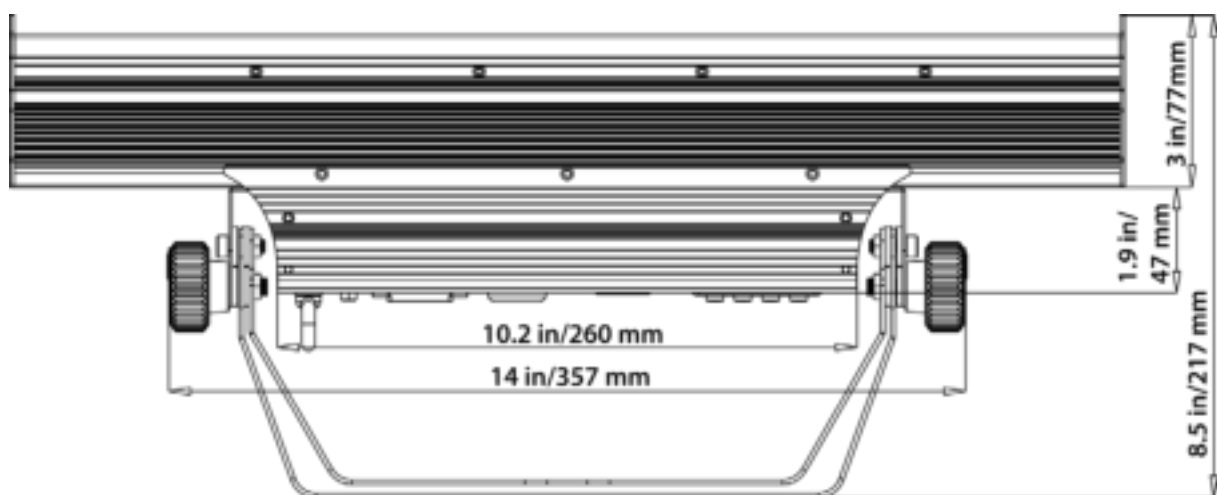
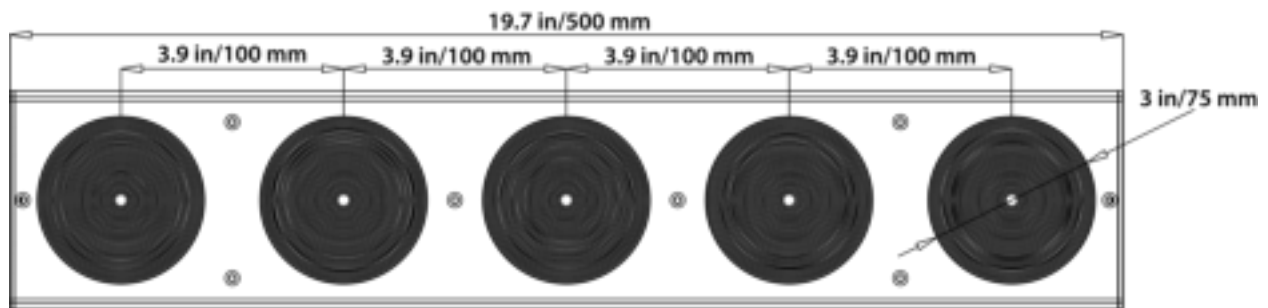
- Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.

2. INTRODUCTION

Overview



Dimensions



3. SETUP

AC Power The BEAMbar™ 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.



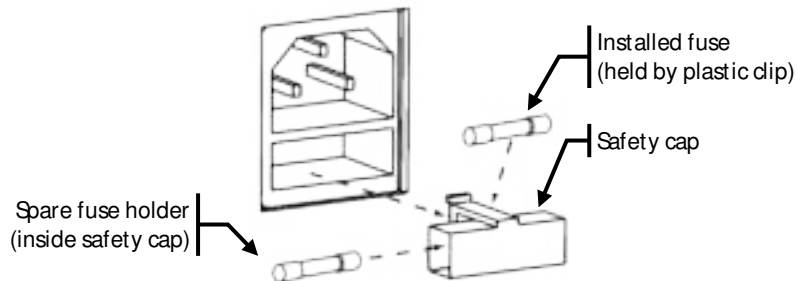
Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0–100% switch.

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.

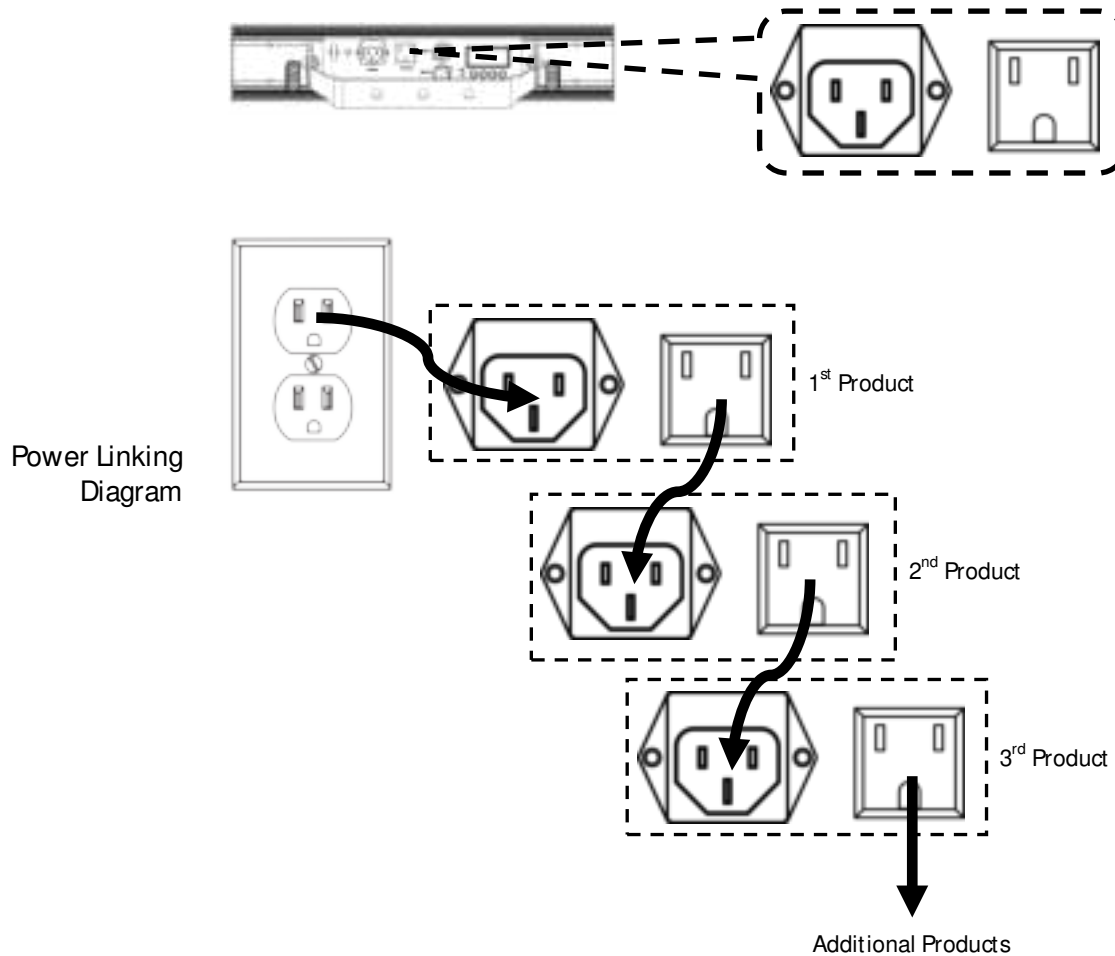


A spare fuse is not included; however, the safety cap has room for a spare.



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

Power Linking The product provides power linking via the Edison/IEC outlet located in the back of the unit.



You can power link up to 21 BEAMbar™ units on 120 VAC or up to 39 BEAMbar™ units on 230 VAC.

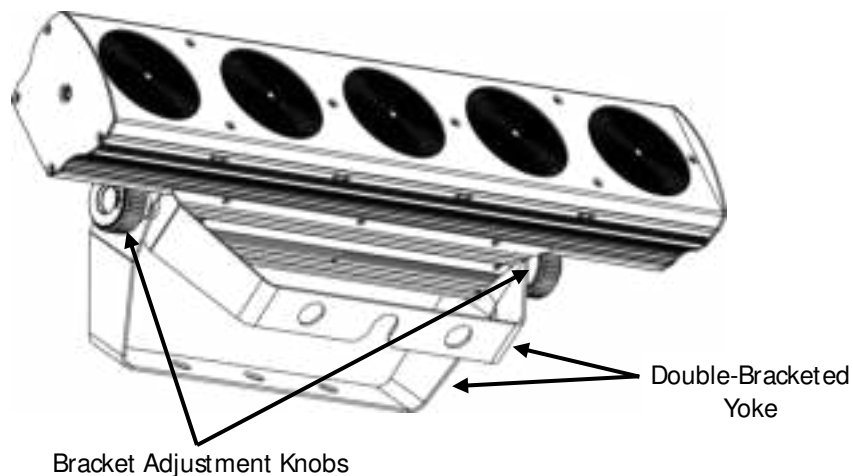


The power linking diagram shown above corresponds to the North American version of the product ONLY! If using the product in other markets, you must consult with the local CHAUVET® distributor as power linking connectors and requirements may differ in your country or region.

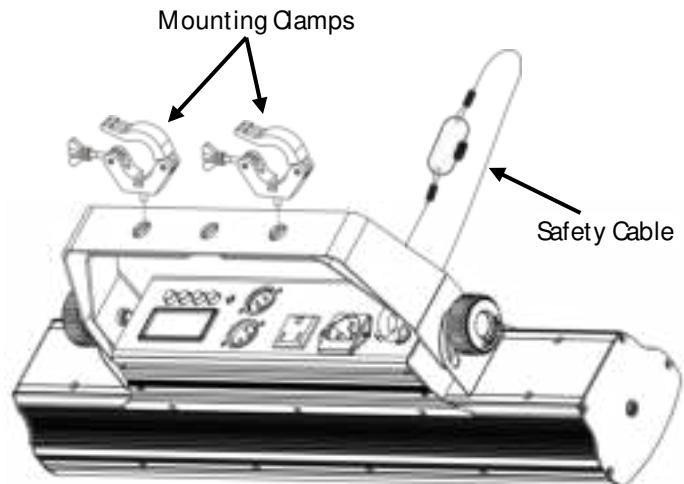
Mounting Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

Orientation The BEAMbar™ 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 is 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 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. The bracket has 13-mm holes, which are appropriate for this purpose.
 - 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.
 - 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.
 - The double-bracketed yoke also serves as floor supports or allows 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.

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
Addr	1–509		Selects the DMX starting address
ChMd	5Ch		5-channel mode
	4Ch		4-channel mode
SLMd	MASt		Master mode
	SL 1		Slave mode 1
	SL 2		Slave mode 2
SenS	0–100		Sound sensitivity control
Auto	Au 1–Au12	S 0–S100	Selects automatic program and automatic program speed (slow to fast)
ShMd	Sh 0–Sh12		Show mode (Sound-Active programs)
diMd	diM1		Dimmer, fast speed
	diM2		Dimmer, middle speed
	diM3		Dimmer, slow speed
	oFF		Dimmer speed off
Led	30S		LCD background light off after 30 seconds
	20S		LCD background light off after 20 seconds
	10S		LCD background light off after 10 seconds
	on		LCD background light always on
InFo	test		Runs a self-test
	ver		Shows currently installed software version
	FhrS		Fixture running time in hours

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 BEAMbar™ uses up to 5 DMX channels in its 5-channel DMX mode, which defines the highest configurable address to **508**.

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

To select the starting address, do the following:

1. Press **<MENU>** repeatedly until **Addr** shows on the display.
2. Press **<ENTER>** and **1–509** shows on the display.

Note: The highest starting address that shows on the display is determined by the DMX personality that is currently selected.

3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.

DMX Personalities

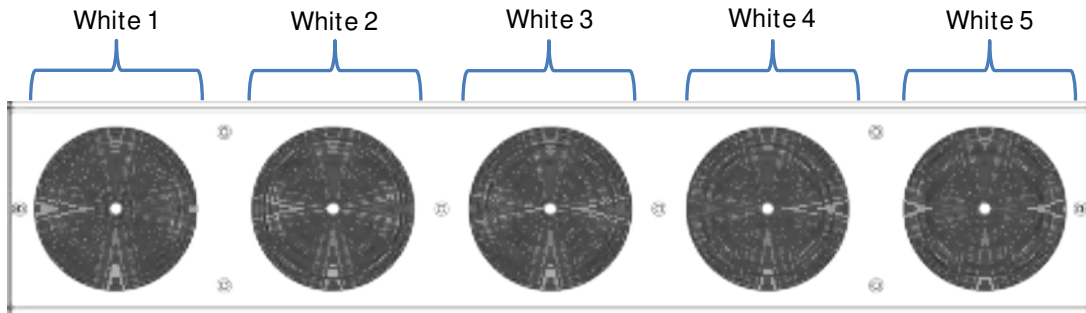
The BEAMbar™ has two DMX personalities. One is a 4-channel personality and the other is a 5-channel personality.

To select either DMX personality, do the following:

1. Press **<MENU>** repeatedly until **ChMd** shows on the display.
2. Press **<ENTER>** and **4Ch** or **5Ch** shows on the display.
3. Use **<UP>** or **<DOWN>** to select either **4Ch** (4-channel mode) or **5Ch** (5-channel mode).
4. Press **<ENTER>**.

DMX Channel Modes, Assignments, and Values

5-Channel	Channel	Function	Value		Setting
	1	White 1	000	255	0–100%
	2	White 2	000	255	0–100%
	3	White 3	000	255	0–100%
	4	White 4	000	255	0–100%
	5	White 5	000	255	0–100%



4-Channel	Channel	Function	Value		Setting
	1	Dimmer	000	255	0–100%
	2	Shutter	000	010	No function
			011	255	Strobe, slow to fast
	3	Chase	000	010	No function
			011	030	Chase 1
			031	050	Chase 2
			051	070	Chase 3
			071	090	Chase 4
			091	110	Chase 5
			111	130	Chase 6
			131	150	Chase 7
			151	170	Chase 8
			171	190	Chase 9
			191	210	Chase 10
			211	230	Chase 11
			231	250	Chase 12
	4	Speed	251	255	Sound-Active mode
			000	255	Speed, 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.

Show Mode (Sound-Active Programs)

To enable the Sound-Active programs, do the following:

1. Press **<MENU>** repeatedly until **ShMd** shows on the display.
2. Press **<ENTER>** and **Sh 0–Sh12** shows on the display.
3. Use **<UP>** or **<DOWN>** to select the desired Sound-Active program.
4. Press **<ENTER>**.



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

Sound Sensitivity

To set the sound sensitivity, do the following:

1. Press **<MENU>** repeatedly until **SenS** shows on the display.
2. Press **<ENTER>** and **0–100** shows on the display.
3. Use **<UP>** or **<DOWN>** to select the desired sound sensitivity.
4. Press **<ENTER>**.

Automatic Mode and Speed

To select the Automatic mode and set the automatic program speed, follow the instructions below:

1. Press **<MENU>** repeatedly until **Auto** shows on the display.
2. Press **<ENTER>** and **Au 1–Au12** shows on the display.
3. Use **<UP>** or **<DOWN>** to select the desired automatic program.
4. Press **<ENTER>** and **S 0–S100** (slow to fast) shows on the display.
5. Use **<UP>** or **<DOWN>** to select the desired automatic program speed.
6. Press **<ENTER>**.

Master/Slave Mode

The Master/Slave mode allows a single BEAMbar™ unit (the “master”) to control the actions of one or more BEAMbar™ units (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 1. 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 **SLMd** shows on the display.
2. Press **<ENTER>** and **MASt**, **SL 1**, or **SL 2** shows on the display.
3. Use **<UP>** or **<DOWN>** to select **SL 1** (Slave mode 1).
4. Press **<ENTER>**.
5. Connect the DMX input of the first slave unit to the DMX output of the master unit.
6. Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
7. 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 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.**

Master/Slave Runway Effect

The Master/Slave Runway effect enables a single BEAMbar™ unit (the “master”) to control the actions of one other BEAMbar™ unit (the “slave”) in sequential order for a “runway” effect without the need of a DMX controller. Once set and connected, the slave unit will operate with a timed delay following the master unit to achieve this effect.

Configure the units as indicated below.

Slave unit:

1. Press **<MENU>** repeatedly until **SLMd** shows on the display.
2. Press **<ENTER>** and **MASt**, **SL 1**, or **SL 2** shows on the display.
3. Use **<UP>** or **<DOWN>** to select **SL 2** (Slave mode 2).
4. Press **<ENTER>**.
5. Connect the DMX input of the slave unit to the DMX output of the master unit.

Master unit:

1. Set the master unit to operate in Master mode (**MASt**).
2. Make the master unit the first unit in the DMX daisy chain.



- **Configure the slave unit before connecting the master unit.**
- **Never connect a DMX controller to a Master/Slave configuration set for the Runway effect because the controller may interfere with the signals from the master unit.**
- **When configuring the units for the Master/Slave Runway effect, the master unit must be set to Master mode (MASt) and the slave unit must be set to Slave mode 2 (SL 2).**
- **With the Master/Slave Runway effect, do not connect more than 1 slave unit to the master unit.**

Dimmer Speed You can set the dimmer speed to fast, middle, slow, or off.

To select the dimmer speed, do the following:

1. Press **<MENU>** repeatedly until **diMd** shows on the display.
2. Press **<ENTER>** and **diM1**, **diM2**, **diM3**, or **oFF** shows on the display.
3. Use **<UP>** or **<DOWN>** to select **diM1** (fast speed), **diM2** (middle speed), **diM3** (slow speed), or **oFF** (dimmer speed off).
4. Press **<ENTER>**.

Display Background Light You can select the amount of time the display's background light stays on after control panel inactivity.

To select the time for the display's background light, follow the instructions below:

1. Press **<MENU>** repeatedly until **Led** shows on the display.
2. Press **<ENTER>** and **30S**, **20S**, **10s**, or **on** shows on the display.
3. Use **<UP>** or **<DOWN>** to select **30S** (off after 30 seconds), **20S** (off after 20 seconds), **10S** (off after 10 seconds), or **on** (remains on).
4. Press **<ENTER>**.

Information With the BEAMbar™ you can access information on the product's use.

To access this information, do the following:

1. Press **<MENU>** repeatedly until **InFo** shows on the display.
2. Press **<ENTER>** and **test**, **ver**, or **FhrS** shows on the display.
3. Use **<UP>** or **<DOWN>** to select **test** (runs a self-test), **ver** (shows the currently installed software version), or **FhrS** (shows running time in hours).
4. Press **<ENTER>**.

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, 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:

- 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/vents.
- Clean all external optics and glass/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 wipe any dirt or grime to the outside edges of the external optics or glass/transparent surfaces.
- Gently polish the external optics and glass/transparent 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	Width	Height	Weight
	19.7 in (500 mm)	3.9 in (98 mm)	8.5 in (217 mm)	6.6 lbs (3.1 kg)
	Note: Dimensions in inches rounded to the nearest decimal digit.			
Power	Power Supply Type	Range	Voltage Selection	
	Switching (internal)	100~240 V, 50/60 Hz	Auto-ranging	
	Parameter	120 V, 60 Hz	230 V, 50 Hz	
	Consumption	44 W	43 W	
	Operating current	0.6 A	0.3 A	
	Power linking current (units)	8 A (21 units)	8 A (39 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	6 W	50,000 hours	
	Color	Quantity	Current	
	White	5	1.9 A	
Photo Optic	Parameter			
	Illuminance @ 2 m	17,300 lx (per pod)		
	Beam angle	4°		
	Strobe rate	0–24 Hz		
Thermal	Maximum External Temp.	Cooling System		
	104° F (40° C)	Convection		
DMX	I/O Connectors	Connector Type	Channel Range	
	3-pin XLR	Sockets	4, 5	
Ordering	Product Name	Item Code	UPC Number	
	BEAMbar™	03050654	781462210021	



To return a product or request support:

- In the U.S., contact CHAUVET® World Headquarters (see below).
- In the UK or Ireland, contact CHAUVET® Europe Ltd. (see below).
- In any other country, DO NOT contact CHAUVET®. Contact your distributor. 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.

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
- The 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

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